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\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 MAY 01 New CAS web site launched  
NEWS 3 MAY 08 CA/CAPLUS Indian patent publication number format defined  
NEWS 4 MAY 14 RDISCLOSURE on STN Easy enhanced with new search and display fields  
NEWS 5 MAY 21 BIOSIS reloaded and enhanced with archival data  
NEWS 6 MAY 21 TOXCENTER enhanced with BIOSIS reload  
NEWS 7 MAY 21 CA/CAPLUS enhanced with additional kind codes for German patents  
NEWS 8 MAY 22 CA/CAPLUS enhanced with IPC reclassification in Japanese patents  
NEWS 9 JUN 27 CA/CAPLUS enhanced with pre-1967 CAS Registry Numbers  
NEWS 10 JUN 29 STN Viewer now available  
NEWS 11 JUN 29 STN Express, Version 8.2, now available  
NEWS 12 JUL 02 LEMBASE coverage updated  
NEWS 13 JUL 02 LMEDLINE coverage updated  
NEWS 14 JUL 02 SCISEARCH enhanced with complete author names  
NEWS 15 JUL 02 CHEMCATS accession numbers revised  
NEWS 16 JUL 02 CA/CAPLUS enhanced with utility model patents from China  
NEWS 17 JUL 16 CAPLUS enhanced with French and German abstracts  
NEWS 18 JUL 18 CA/CAPLUS patent coverage enhanced  
NEWS 19 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification  
NEWS 20 JUL 30 USGENE now available on STN  
NEWS 21 AUG 06 CAS REGISTRY enhanced with new experimental property tags  
NEWS 22 AUG 06 BEILSTEIN updated with new compounds  
NEWS 23 AUG 06 FSTA enhanced with new thesaurus edition  
NEWS 24 AUG 13 CA/CAPLUS enhanced with additional kind codes for granted patents

NEWS EXPRESS 29 JUNE 2007: CURRENT WINDOWS VERSION IS V8.2,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 05 JULY 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 17:56:37 ON 15 AUG 2007

=> file registry  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 17:56:55 ON 15 AUG 2007  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 14 AUG 2007 HIGHEST RN 944643-48-5  
DICTIONARY FILE UPDATES: 14 AUG 2007 HIGHEST RN 944643-48-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

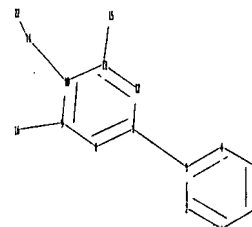
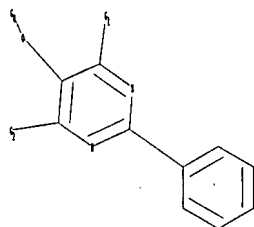
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\9 series\9811359h.str



chain nodes :  
 14 15 16 22  
 ring nodes :  
 1 2 3 4 5 6 7 8 9 10 11 12  
 chain bonds :  
 3-7 9-16 10-14 11-15 14-22  
 ring bonds :  
 1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12  
 exact/norm bonds :  
 9-16 10-14 11-15 14-22  
 exact bonds :  
 3-7  
 normalized bonds :  
 1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12  
 isolated ring systems :  
 containing 7 :

G1: Ak, X, H, MeO, EtO, n-PrO, i-PrO, n-BuO, i-BuO, s-BuO, t-BuO, CN, NO2

G2: H, Ak, MeO, EtO, n-PrO, i-PrO, n-BuO, i-BuO, s-BuO, t-BuO, CN, NO2

G3:H,Ak

G4:Cb,Ak

Match level :

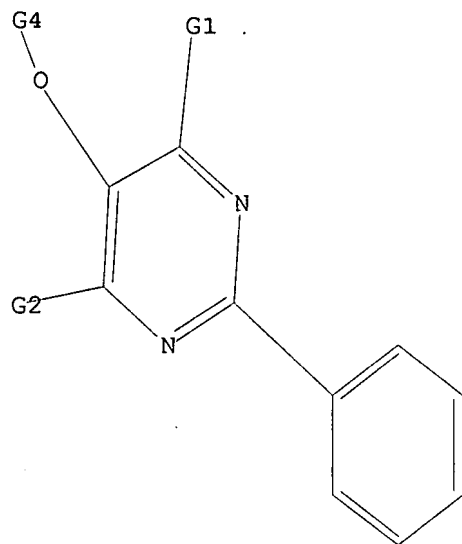
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 14:CLASS 15:CLASS 16:CLASS 22:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 Ak,X,H,MeO,EtO,n-PrO,i-PrO,n-BuO,i-BuO,s-BuO,t-BuO,CN,NO2

G2 H,Ak,MeO,EtO,n-PrO,i-PrO,n-BuO,i-BuO,s-BuO,t-BuO,CN,NO2

G3 H,Ak

G4 Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 17:57:25 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 451 TO ITERATE

100.0% PROCESSED 451 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 7746 TO 10294

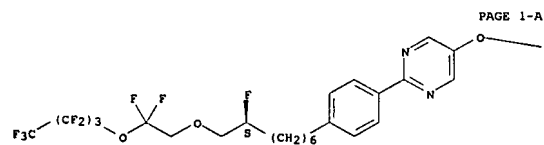
PROJECTED ANSWERS: 2884 TO 4516

L2 50 SEA SSS SAM L1

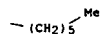
=> d scan

L2 50 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Pyrimidine, 2-[[4-[(7S)-8-[2,2-difluoro-2-(nonafluorobutoxy)ethoxy]-7-fluorooctyl]phenyl]-5-(hexyloxy)- (9CI)  
 MF C30 H36 F12 N2 O3

Absolute stereochemistry.



PAGE 1-B

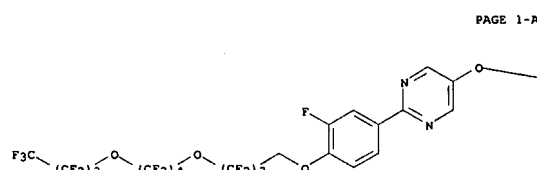


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

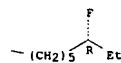
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 50 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Pyrimidine, 2-[[3-fluoro-4-[2,2,3,3,4,4-hexafluoro-4-[[1,1,2,2,3,3,4,4-octafluoro-4-(nonafluorobutoxy)butoxy]butoxy]phenyl]-5-[[[(6R)-6-fluorooctyl]oxy]- (9CI)  
 MF C30 H23 F25 N2 O4

Absolute stereochemistry.



PAGE 1-B



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l1 full  
FULL SEARCH INITIATED 17:57:50 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 9001 TO ITERATE

100.0% PROCESSED 9001 ITERATIONS 3725 ANSWERS  
SEARCH TIME: 00.00.01

L3 3725 SEA SSS FUL L1

=> file caplus	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	172.55	172.76

FILE 'CAPLUS' ENTERED AT 17:57:56 ON 15 AUG 2007  
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FILE COVERS 1907 - 15 Aug 2007 VOL 147 ISS 8  
FILE LAST UPDATED: 14 Aug 2007 (20070814/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

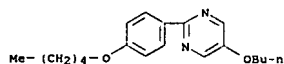
<http://www.cas.org/infopolicy.html>

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L4 890 L3

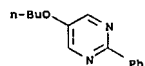
=> s l3 not pd>19990316  
890 L3  
8478291 PD>19990316  
(PD>19990316)  
L5 565 L3 NOT PD>19990316

=> d l5 1-10 hitstr

L5 ANSWER 1 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 51518-77-5 287104-17-0D, derivs.  
 RL: PRP (Properties)  
 PROC (Process)  
 (variation of dipole moment with softness parameter of liquid crystalline materials)  
 RN 51518-77-5 CAPLUS  
 CN Pyrimidine, 5-butoxy-2-[4-(pentyloxy)phenyl]- (9CI) (CA INDEX NAME)

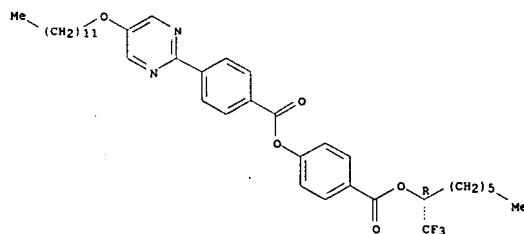


RN 287104-17-0 CAPLUS  
 CN Pyrimidine, 5-butoxy-2-phenyl- (9CI) (CA INDEX NAME)



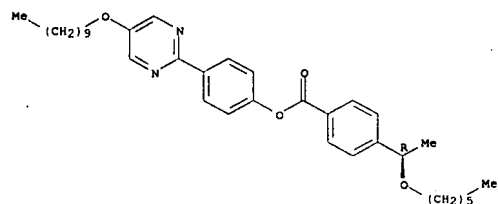
L5 ANSWER 2 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 134341-72-3  
 RL: PEP (Physical, engineering or chemical process); PRP (Properties);  
 PROC (Process)  
 (antiferroelec. liquid crystal; elec.-field-induced  
 SmA-antiferroelec.-  
 subphase critical behavior of antiferroelec. liquid crystals)  
 RN 134341-72-3 CAPLUS  
 CN Benzoic acid, 4-[5-(dodecyloxy)-2-pyrimidinyl]-, 4-[[[1-(trifluoromethyl)heptyloxy]carbonyl]phenyl ester, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



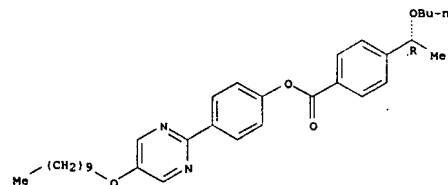
L5 ANSWER 3 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 130080-12-5 173211-33-1 270084-70-3  
 270084-71-4  
 RL: PEP (Physical, engineering or chemical process); PRP (Properties);  
 PROC (Process)  
 (achiral ferroelec. liquid crystal; sign inversion of spontaneous polarization in ferroelec. liquid crystal mixts.)  
 RN 130080-12-5 CAPLUS  
 CN Benzoic acid, 4-[1-(hexyloxy)ethyl]-, 4-[5-(decyloxy)-2-pyrimidinyl]phenyl ester, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 173211-33-1 CAPLUS  
 CN Benzoic acid, 4-[[1-(butoxyethyl)-, 4-[5-(decyloxy)-2-pyrimidinyl]phenyl ester, (R)- (9CI) (CA INDEX NAME)

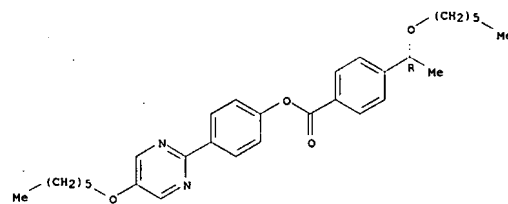
Absolute stereochemistry.



RN 270084-70-3 CAPLUS  
 CN Benzoic acid, 4-[[1-(hexyloxy)ethyl]-, 4-[5-(hexyloxy)-2-pyrimidinyl]phenyl ester (9CI) (CA INDEX NAME)

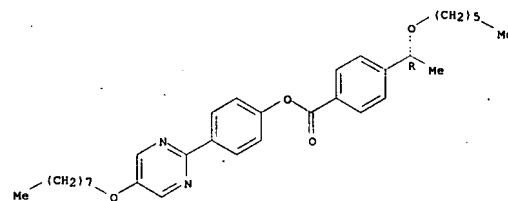
Absolute stereochemistry.

L5 ANSWER 3 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



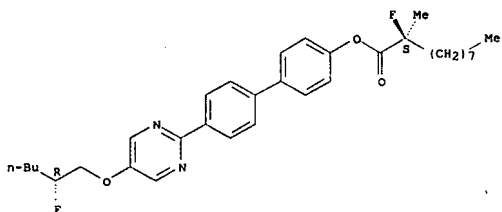
RN 270084-71-4 CAPLUS  
 CN Benzoic acid, 4-[[1-(hexyloxy)ethyl]-, 4-[5-(octyloxy)-2-pyrimidinyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

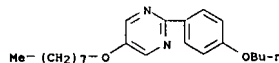


L5 ANSWER 4 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 251919-77-4P  
 RL: PEP (Physical, engineering or chemical process); PRP (Properties);  
 SPN (Synthetic preparation); PREP (Preparation); PROC (Process)  
 (preparation and liquid crystal transitions of)  
 RN 251919-77-4 CAPLUS  
 CN Decanoic acid, 2-fluoro-2-methyl-, 4'-[5-[[[(2R)-2-fluorohexyl]oxy]-2-pyrimidinyl][1,1'-biphenyl]-4-yl ester, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



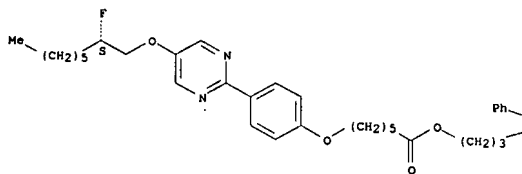
L5 ANSWER 5 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 121083-89-4  
 RL: PEP (Physical, engineering or chemical process); PRP (Properties);  
 PROC (Process)  
 (ferroelec. liquid crystals induced by atropisomeric dopants:  
 dependence of polarization power on core structure of smectic C host)  
 RN 121083-89-4 CAPLUS  
 CN Pyrimidine, 2-(4-butoxyphenyl)-5-(octyloxy)- (9CI) (CA INDEX NAME)



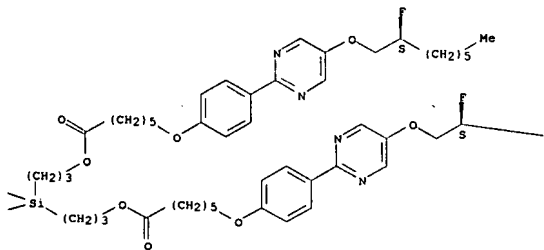
L5 ANSWER 6 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 244213-73-8P  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and characterization of carbosilane dendrimers carrying  
 mesogens with chiral substituent)  
 RN 244213-73-8 CAPLUS  
 CN Hexanoic acid, 6-[4-[5-[[[(2R)-2-fluorooctyl]oxy]-2-pyrimidinyl]phenoxy]-, (phenylallyldiene)tri-3,1-propanediyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

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PAGE 1-B

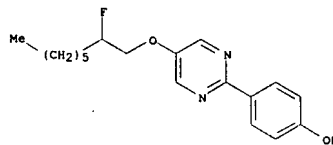


L5 ANSWER 6 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-C

IT 244213-72-7  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation and characterization of carbosilane dendrimers carrying  
 mesogens with chiral substituent)  
 RN 244213-72-7 CAPLUS  
 CN Phenol, 4-[5-[[[(2-fluorooctyl]oxy)-2-pyrimidinyl]-, (+)- (9CI) (CA INDEX NAME)

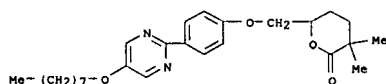
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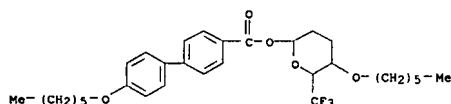


L5 ANSWER 7 OF 565 CAPLUS COPYRIGHT 2007 ACS ON STN  
 IT 187875-86-1  
 RL: DEV (Device component use); USES (Uses)  
 (liquid-crystal mixture; high-quality liquid-crystal display device  
 with reduced DC offset potential)  
 RN 187875-86-1 CAPLUS  
 CN (1,1'-Biphenyl)-4-carboxylic acid, 4'-(hexyloxy)-,  
 5-(hexyloxy)tetrahydro-  
 6-(trifluoromethyl)-2H-pyran-2-yl ester, mixt. with 2-[4-[2,2-difluoro-2-  
 (1,1,2,2-tetrafluoro-2-(nonafluorobutoxy)ethoxy)ethoxy]phenyl]-5-  
 octylpyrimidine, 2-[4-[2,2-difluoro-2-(1,1,2,2-tetrafluoro-2-(1,1,2,2-  
 tetrafluoro-2-(trifluoromethoxy)ethoxy)ethoxy]phenyl]-5-  
 octylpyrimidine, 2-[4-[2,2,3,3,4,4-hexafluoro-4-  
 (nonafluorobutoxy)butoxy]phenyl]-5-octylpyrimidine and  
 tetrahydro-3,3-dimethyl-6-[[4-[5-(octyloxy)-2-pyrimidinyl]phenoxy]methyl]-  
 2H-pyran-2-one (9CI) (CA INDEX NAME)

CM 1  
 CRN 187875-81-6  
 CMF C26 H36 N2 O4



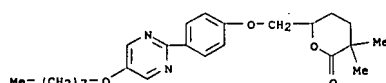
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 CRN 185307-45-3  
 CMF C31 H41 F3 O5



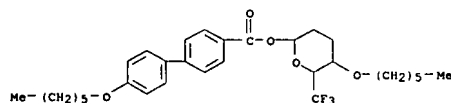
CM 3  
 CRN 152915-24-7  
 CMF C26 H25 F15 N2 O2

L5 ANSWER 8 OF 565 CAPLUS COPYRIGHT 2007 ACS ON STN  
 IT 187875-86-1  
 RL: DEV (Device component use); TEM (Technical or engineered material  
 use); USES (Uses)  
 (manufacture of liquid-crystal element using thermosetting adhesive  
 for display device)  
 RN 187875-86-1 CAPLUS  
 CN (1,1'-Biphenyl)-4-carboxylic acid, 4'-(hexyloxy)-,  
 5-(hexyloxy)tetrahydro-  
 6-(trifluoromethyl)-2H-pyran-2-yl ester, mixt. with 2-[4-[2,2-difluoro-2-  
 (1,1,2,2-tetrafluoro-2-(nonafluorobutoxy)ethoxy)ethoxy]phenyl]-5-  
 octylpyrimidine, 2-[4-[2,2-difluoro-2-(1,1,2,2-tetrafluoro-2-(1,1,2,2-  
 tetrafluoro-2-(trifluoromethoxy)ethoxy)ethoxy]phenyl]-5-  
 octylpyrimidine, 2-[4-[2,2,3,3,4,4-hexafluoro-4-  
 (nonafluorobutoxy)butoxy]phenyl]-5-octylpyrimidine and  
 tetrahydro-3,3-dimethyl-6-[[4-[5-(octyloxy)-2-pyrimidinyl]phenoxy]methyl]-  
 2H-pyran-2-one (9CI) (CA INDEX NAME)

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 CRN 187875-81-6  
 CMF C26 H36 N2 O4

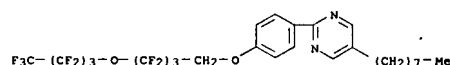


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 CMF C31 H41 F3 O5



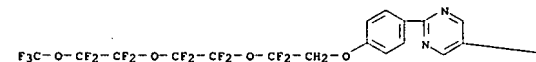
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L5 ANSWER 7 OF 565 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

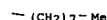


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 CRN 152915-20-3  
 CMF C25 H25 F13 N2 O4

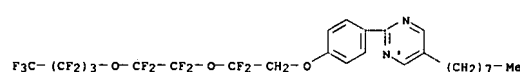
PAGE 1-A



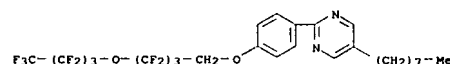
PAGE 1-B



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 CRN 152914-98-2  
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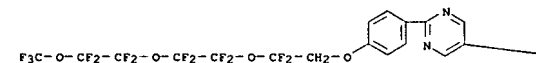


L5 ANSWER 8 OF 565 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

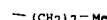


CM 4  
 CRN 152915-20-3  
 CMF C25 H25 F13 N2 O4

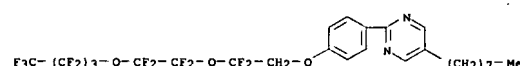
PAGE 1-A



PAGE 1-B



CM 5  
 CRN 152914-98-2  
 CMF C26 H25 F15 N2 O3

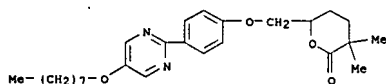


L5 ANSWER 9 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 187875-86-1  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (liquid crystalline; manufacture of liquid-crystal device having  
 orientation-  
 controlling film treated with neutral and/or ionic mols.)  
 RN 187875-86-1 CAPLUS  
 CN [1,1'-Biphenyl]-4-carboxylic acid, 4'-(hexyloxy)-,  
 5-(hexyloxy)tetrahydro-  
 6-(trifluoromethyl)-2H-pyran-2-yl ester, mixt. with 2-[4-[2,2-difluoro-2-  
 [1,1,2,2-tetrafluoro-2-(nonafluorobutoxy)ethoxy]ethoxy]phenyl]-5-  
 octylpyrimidine, 2-[4-[2,2-difluoro-2-[1,1,2,2-tetrafluoro-2-[1,1,2,2-  
 tetrafluoro-2-(trifluoromethoxy)ethoxy]ethoxy]phenyl]-5-  
 octylpyrimidine, 2-[4-[2,2,3,3,4,4-hexafluoro-4-  
 (nonafluorobutoxy)butoxy]phenyl]-5-octylpyrimidine and

tetrahydro-3,3-dimethyl-6-[[4-[5-(octyloxy)-2-pyrimidinyl]phenoxy]methyl]-  
 2H-pyran-2-one (9CI) (CA INDEX NAME)

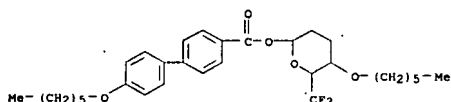
CM 1

CRN 187875-81-6  
 CMF C26 H36 N2 O4



CM 2

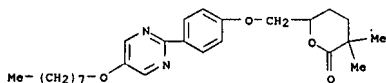
CRN 185307-45-3  
 CMF C31 H41 F3 O5



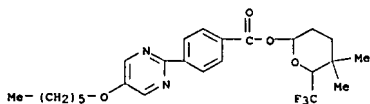
CM 3

CRN 152915-24-7  
 CMF C26 H25 F15 N2 O2

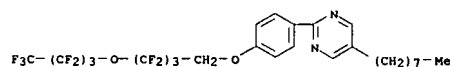
L5 ANSWER 10 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 187875-81-6 220830-80-8  
 RL: DEV (Device component use); USES (Uses)  
 (manufacture of liquid crystal element containing optically active  
 compound of)  
 RN 187875-81-6 CAPLUS  
 CN 2H-Pyran-2-one, tetrahydro-3,3-dimethyl-6-[[4-[5-(octyloxy)-2-  
 pyrimidinyl]phenoxy]methyl]- (9CI) (CA INDEX NAME)



RN 220830-80-8 CAPLUS  
 CN Benzoic acid, 4-[5-(hexyloxy)-2-pyrimidinyl]-, tetrahydro-5,5-dimethyl-6-  
 (trifluoromethyl)-2H-pyran-2-yl ester (9CI) (CA INDEX NAME)



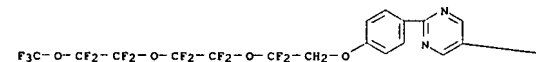
L5 ANSWER 9 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



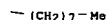
CM 4

CRN 152915-20-3  
 CMF C25 H25 F13 N2 O4

PAGE 1-A

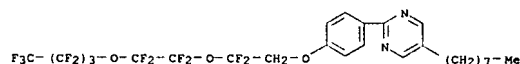


PAGE 1-B



CM 5

CRN 152914-98-2  
 CMF C26 H25 F15 N2 O3



=> d 15 1 ibib abs

L5 ANSWER 1 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2000:479341 CAPLUS  
DOCUMENT NUMBER: 133:150113  
TITLE: Variation of dipole moment with softness parameter of  
liquid crystalline materials  
AUTHOR(S): Srivastava, Rajiv Ranjan; Singh, Kalyan  
CORPORATE SOURCE: Department of Physics, M.L.K. (PG) College,  
Balrampur,  
271 201, India  
SOURCE: Acta Ciencia Indica, Physics (1999), 25(4), 197-199  
CODEN: ACIPD2; ISSN: 0253-732X  
PUBLISHER: Pragati Prakashan  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB The softness parameter of liquid crystalline materials were calculated  
However, the  
dipole moment of liquid crystalline materials were taken. A comparative  
study  
was made between the calculated softness values and dipole moments of  
liquid  
crystalline materials and the variation between softness parameter and  
dipole  
moment was given.  
REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR  
THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE  
FORMAT

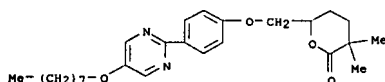
=> d 15 11-20 hitstr

L5 ANSWER 11 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 187875-86-1  
 RL: DEV (Device component use); USES (Uses)  
 (liquid crystal mixture; manufacture of liquid crystal display device  
 containing hydrophilic layer)  
 RN 187875-86-1 CAPLUS  
 CN (1,1'-Biphenyl)-4-carboxylic acid, 4'-(hexyloxy)-,  
 5-(hexyloxy)tetrahydro-  
 6-(trifluoromethyl)-2H-pyran-2-yl ester, mixt. with 2-[4-[2,2-difluoro-2-  
 (1,1,2,2-tetrafluoro-2-(nonafluorobutoxy)ethoxy)ethoxy]phenyl]-5-  
 octylpyrimidine, 2-[4-[2,2-difluoro-2-[1,1,2,2-tetrafluoro-2-[1,1,2,2-  
 tetrafluoro-2-(trifluoromethoxy)ethoxy]ethoxy]phenyl]-5-  
 octylpyrimidine, 2-[4-[2,2,3,3,4,4-hexafluoro-4-  
 (nonafluorobutoxy)butoxy]phenyl]-5-octylpyrimidine and

tetrahydro-3,3-dimethyl-6-[[4-[5-(octyloxy)-2-pyrimidinyl]phenoxy]methyl]-  
 2H-pyran-2-one (9CI) (CA INDEX NAME)

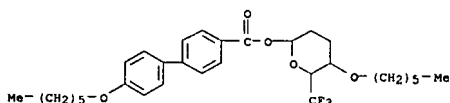
CM 1

CRN 187875-81-6  
 CMF C26 H36 N2 O4



CM 2

CRN 185307-45-3  
 CMF C31 H41 F3 O5



CM 3

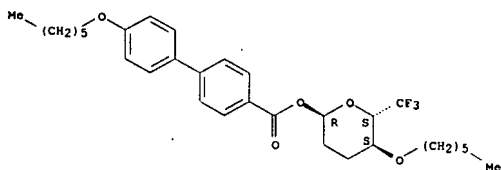
CRN 152915-24-7  
 CMF C26 H25 F15 N2 O2

L5 ANSWER 12 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 210362-81-5  
 RL: DEV (Device component use); USES (Uses)  
 (fluoro-containing liquid crystal material for liquid crystal display)  
 RN 210362-81-5 CAPLUS  
 CN (1,1'-Biphenyl)-4-carboxylic acid, 4'-(hexyloxy)-, (2R,5S,6S)-5-  
 (hexyloxy)tetrahydro-6-(trifluoromethyl)-2H-pyran-2-yl ester, mixt. with  
 2-[4-[2,2-difluoro-2-[1,1,2,2-tetrafluoro-2-(nonafluorobutoxy)ethoxy]ethox  
 y]phenyl]-5-octylpyrimidine, 2-[4-[2,2-difluoro-2-[1,1,2,2-tetrafluoro-2-  
 (1,1,2,2-tetrafluoro-2-(trifluoromethoxy)ethoxy]ethoxy]ethoxy]phenyl]-5-  
 octylpyrimidine, 2-[4-[2,2,3,3,4,4-hexafluoro-4-  
 (nonafluorobutoxy)butoxy]phenyl]-5-octylpyrimidine and  
 (2S)-tetrahydro-3,3-dimethyl-6-[[4-[5-(octyloxy)-2-  
 pyrimidinyl]phenoxy]methyl]-2H-pyran-2-one (9CI) (CA INDEX NAME)

CM 1

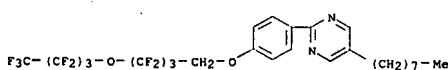
CRN 163484-32-0  
 CMF C31 H41 F3 O5

Absolute stereochemistry.



CM 2

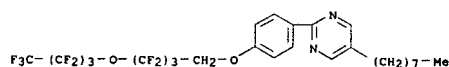
CRN 152915-24-7  
 CMF C26 H25 F15 N2 O2



CM 3

CRN 152915-20-3  
 CMF C25 H25 F13 N2 O4

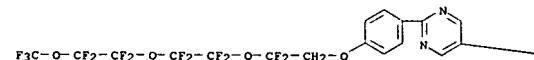
L5 ANSWER 11 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CM 4

CRN 152915-20-3  
 CMF C25 H25 F13 N2 O4

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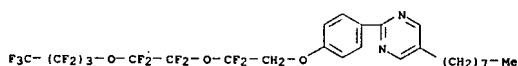


PAGE 1-B

(CH<sub>2</sub>)<sub>7</sub>-Me

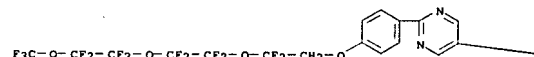
CM 5

CRN 152914-98-2  
 CMF C26 H25 F15 N2 O3



L5 ANSWER 12 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A

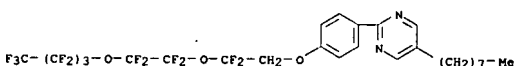


PAGE 1-B

(CH<sub>2</sub>)<sub>7</sub>-Me

CM 4

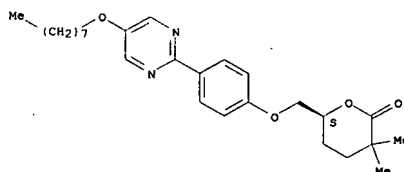
CRN 152914-98-2  
 CMF C26 H25 F15 N2 O3



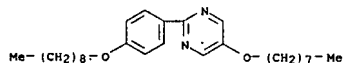
CM 5

CRN 140943-90-4  
 CMF C26 H36 N2 O4

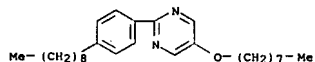
Absolute stereochemistry.



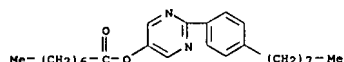
L5 ANSWER 13 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 120091-50-1 121640-69-5 124255-17-0  
 137530-95-1 219622-69-2 219622-70-5  
 RL: DEV (Device component use); USES (Uses)  
 (ferroelec. liquid-crystal composition containing aromatic  
 heterocyclic compds. for  
 optical switching device)  
 RN 120091-50-1 CAPLUS  
 CN Pyrimidine, 2-[4-(nonyloxy)phenyl]-5-(octyloxy)- (9CI) (CA INDEX NAME)



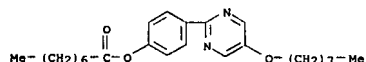
RN 121640-69-5 CAPLUS  
 CN Pyrimidine, 2-(4-nonylphenyl)-5-(octyloxy)- (9CI) (CA INDEX NAME)



RN 124255-17-0 CAPLUS  
 CN Octanoic acid, 2-(4-(octylphenyl)-5-pyrimidinyl ester (9CI) (CA INDEX NAME)

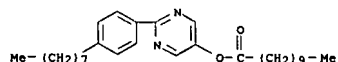


RN 137530-95-1 CAPLUS  
 CN Octanoic acid, 4-[5-(octyloxy)-2-pyrimidinyl]phenyl ester (9CI) (CA INDEX NAME)



RN 219622-69-2 CAPLUS  
 CN Undecanoic acid, 2-(4-(octylphenyl)-5-pyrimidinyl ester (9CI) (CA INDEX NAME)

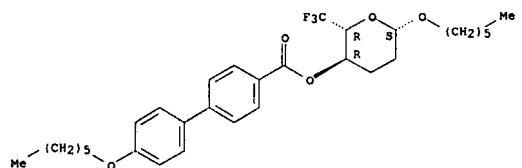
L5 ANSWER 13 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CM 3

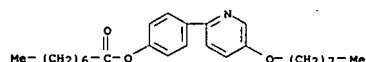
CRN 150458-45-0  
 CMF C31 H41 F3 O5

Absolute stereochemistry.



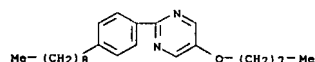
CM 4

CRN 146886-88-6  
 CMF C27 H39 N O3



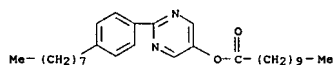
CM 5

CRN 121640-69-5  
 CMF C27 H42 N2 O

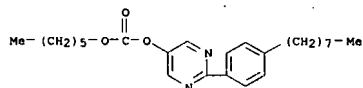


CM 6

L5 ANSWER 13 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 219622-70-5 CAPLUS  
 CN Carbonic acid, hexyl 2-(4-(octylphenyl)-5-pyrimidinyl ester (9CI) (CA INDEX NAME)

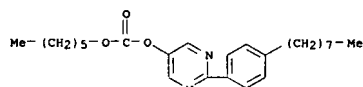


IT 219622-71-6 219622-72-7 219622-74-9  
 219622-75-0  
 RL: DEV (Device component use); USES (Uses)  
 (liquid-crystal mixture; ferroelec. liquid-crystal composition  
 containing aromatic  
 heterocyclic compds. for optical switching device)

RN 219622-71-6 CAPLUS  
 CN [1,1'-Biphenyl]-4-carboxylic acid, 4'-(hexyloxy)-, (2R,3R,6S)-6-(hexyloxy)tetrahydro-2-(trifluoromethyl)-2H-pyran-3-yl ester, mixt. with 4-butoxyphenyl 4-(octyloxy)benzoate, 5-heptyl-2-[4-(heptyloxy)phenyl]pyrimidine, 5-heptyl-2-[4-(nonyloxy)phenyl]pyrimidine, hexyl 2-(4-(octylphenyl)-5-pyrimidinyl carbonate, 2-(4-(nonylphenyl)-5-(octyloxy)pyrimidine, 4-[5-(octyloxy)-2-pyridinyl]phenyl octanoate, 2-(4-(octylphenyl)-5-pyrimidinyl undecanoate and 4-(5-octyl-2-pyrimidinyl)phenyl octanoate (9CI) (CA INDEX NAME)

CM 1

CRN 219622-70-5  
 CMF C25 H36 N2 O3

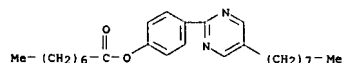


CM 2

CRN 219622-69-2  
 CMF C29 H44 N2 O2

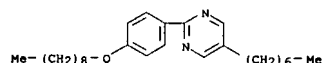
L5 ANSWER 13 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CRN 58415-92-2  
 CMF C26 H38 N2 O2



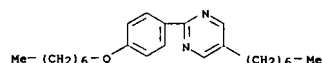
CM 7

CRN 57202-40-1  
 CMF C26 H40 N2 O



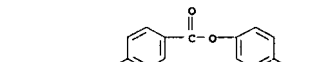
CM 8

CRN 57202-38-7  
 CMF C24 H36 N2 O



CM 9

CRN 52267-53-5  
 CMF C25 H34 O4

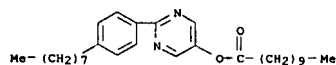


RN 219622-72-7 CAPLUS  
 CN [1,1'-Biphenyl]-4-carboxylic acid, 4'-(hexyloxy)-, (2R,3R,6S)-6-(hexyloxy)tetrahydro-2-(trifluoromethyl)-2H-pyran-3-yl ester, mixt. with 4-butoxyphenyl 4-(octyloxy)benzoate, 5-heptyl-2-[4-(heptyloxy)phenyl]pyrimidine, 5-heptyl-2-[4-(nonyloxy)phenyl]pyrimidine, 2-[4-(nonyloxy)phenyl]-5-(octyloxy)pyrimidine, 4-[5-(octyloxy)-2-

L5 ANSWER 13 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
pyridinylphenyl octanoate, 2-(4-octylphenyl)-5-pyrimidinyl octanoate,  
2-(4-octylphenyl)-5-pyrimidinyl undecanoate and 4-(5-octyl-2-  
pyrimidinyl)phenyl octanoate (9CI) (CA INDEX NAME)

CM 1

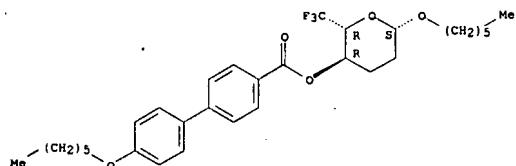
CRN 219622-69-2  
CMF C29 H44 N2 O2



CM 2

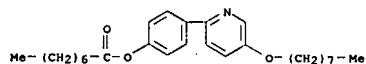
CRN 150458-45-0  
CMF C31 H41 F3 O5

Absolute stereochemistry.



CM 3

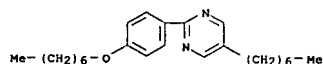
CRN 146886-88-6  
CMF C27 H39 N O3



CM 4

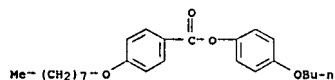
CRN 124255-17-0  
CMF C26 H38 N2 O2

L5 ANSWER 13 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CM 9

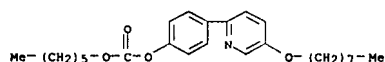
CRN 52267-53-5  
CMF C25 H34 O4



RN 219622-74-9 CAPLUS  
CN {1,1'-Biphenyl}-4-carboxylic acid, 4'-(hexyloxy)-, (2R,3R,6S)-6-(  
(hexyloxy)tetrahydro-2-(trifluoromethyl)-2H-pyran-3-yl ester, mixt. with  
4-butoxyphenyl 4-(octyloxy)benzoate, 5-heptyl-2-[4-(  
(heptyloxy)phenyl)pyrimidine, 5-heptyl-2-[4-(nonyloxy)phenyl]pyrimidine,  
hexyl 4-[5-(octyloxy)-2-pyridinyl]phenyl carbonate,  
2-[4-(nonyloxy)phenyl]-  
5-(octyloxy)pyrimidine, 2-(4-octylphenyl)-5-pyrimidinyl octanoate,  
2-(4-octylphenyl)-5-pyrimidinyl undecanoate and 4-(5-octyl-2-  
pyrimidinyl)phenyl octanoate (9CI) (CA INDEX NAME)

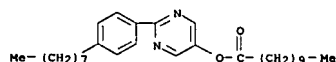
CM 1

CRN 219622-73-8  
CMF C26 H37 N O4

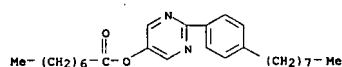


CM 2

CRN 219622-69-2  
CMF C29 H44 N2 O2

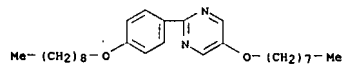


L5 ANSWER 13 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



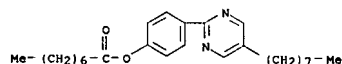
CM 5

CRN 120091-50-1  
CMF C27 H42 N2 O2



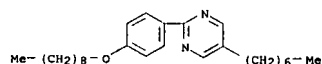
CM 6

CRN 58415-92-2  
CMF C26 H38 N2 O2



CM 7

CRN 57202-40-1  
CMF C26 H40 N2 O



CM 8

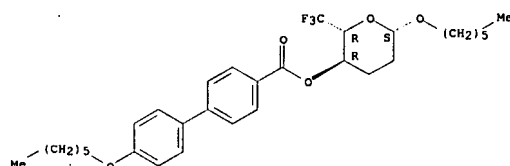
CRN 57202-38-7  
CMF C24 H36 N2 O

L5 ANSWER 13 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CM 3

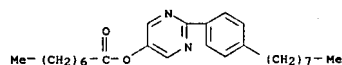
CRN 150458-45-0  
CMF C31 H41 F3 O5

Absolute stereochemistry.



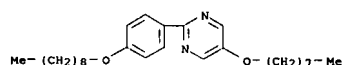
CM 4

CRN 124255-17-0  
CMF C26 H38 N2 O2



CM 5

CRN 120091-50-1  
CMF C27 H42 N2 O2

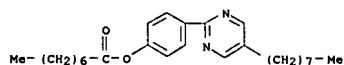


CM 6

CRN 58415-92-2  
CMF C26 H38 N2 O2

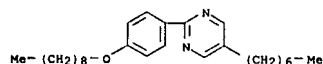


L5 ANSWER 13 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



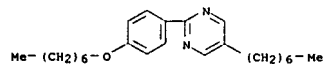
CM 7

CRN 57202-40-1  
CMF C26 H40 N2 O



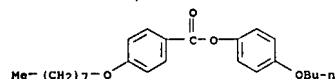
CM 8

CRN 57202-38-7  
CMF C24 H36 N2 O



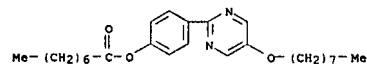
CM 9

CRN 52267-53-5  
CMF C25 H34 O4



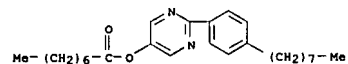
RN 219622-75-0 CAPLUS  
CN [1,1'-Biphenyl]-4-carboxylic acid, 4'-(hexyloxy)-, (2R,3R,6S)-6-(hexyloxy)tetrahydro-2-(trifluoromethyl)-2H-pyran-3-yl ester, mixt. with 4-butoxyphenyl 4-(octyloxy)benzoate, 5-heptyl-2-[4-(heptyloxy)phenyl]pyrimidine, 5-heptyl-2-[4-(nonyloxy)phenyl]pyrimidine, 2-[4-(nonyloxy)phenyl]-5-(octyloxy)pyrimidine, 4-[5-(octyloxy)-2-pyridinyl]phenyl octanoate, 4-[5-(octyloxy)-2-pyrimidinyl]phenyl octanoate, 2-(4-octylphenyl)-5-pyrimidinyl octanoate and 2-(4-octylphenyl)-5-pyrimidinyl undecanoate (9C1) (CA INDEX NAME)

L5 ANSWER 13 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



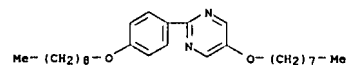
CM 5

CRN 124255-17-0  
CMF C26 H38 N2 O2



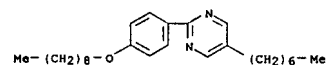
CM 6

CRN 120091-50-1  
CMF C27 H42 N2 O2



CM 7

CRN 57202-40-1  
CMF C26 H40 N2 O



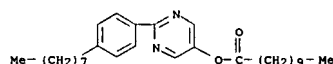
CM 8

CRN 57202-38-7  
CMF C24 H36 N2 O

L5 ANSWER 13 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CM 1

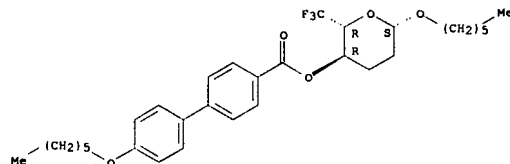
CRN 219622-69-2  
CMF C29 H44 N2 O2



CM 2

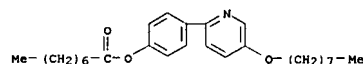
CRN 150458-45-0  
CMF C31 H41 F3 O5

Absolute stereochemistry.



CM 3

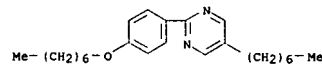
CRN 146886-88-6  
CMF C27 H39 N O3



CM 4

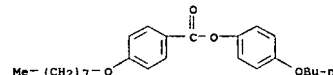
CRN 137530-95-1  
CMF C26 H38 N2 O3

L5 ANSWER 13 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CM 9

CRN 52267-53-5  
CMF C25 H34 O4



L5 ANSWER 14 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN

IT 218446-77-6

RL: DEV (Device component use); USES (Uses)

(liquid crystal; chiral smectic liquid crystal device and display with conducting polymer layer)

RN 218446-77-6 CAPLUS

CN (1,1'-Biphenyl)-4-carboxylic acid, 4'-(hexyloxy)-,

5-(hexyloxy)tetrahydro-6-(trifluoromethyl)-2H-pyran-2-yl ester, mixt. with 2-[4-(2,2-difluoro-2-

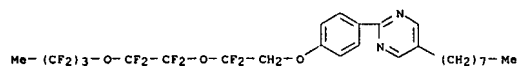
[1,1,2,2-tetrafluoro-2-[(1,1,2,2,3,3-hexafluorobutoxy)ethoxy]ethoxy]phenyl]-5-octylpyrimidine, 2-[4-(2,2-difluoro-2-[1,1,2,2-tetrafluoro-2-(trifluoromethoxy)ethoxy]ethoxy]phenyl]-5-octylpyrimidine, 2-[4-(2,2,3,3,4,4-hexafluoro-4-(nonafluorobutoxy)butoxy]phenyl]-5-octylpyrimidine and

tetrahydro-3,3-dimethyl-6-[[4-(5-octyloxy)-2-pyrimidinyl]phenoxy]methyl]-2H-pyran-2-one (9CI) (CA INDEX NAME)

CM 1

CRN 218446-76-5

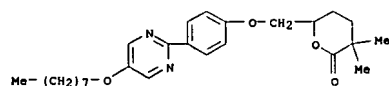
CMF C26 H28 F12 N2 O3



CM 2

CRN 187875-81-6

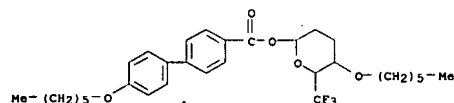
CMF C26 H36 N2 O4



CM 3

CRN 185307-45-3

CMF C31 H41 F3 O5



L5 ANSWER 15 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN

IT 215866-90-3, 2-[9,9-difluoro-7-(2-(S)-fluorodecyl)oxy]-9H-fluoren-2-yl]-5-octyloxy pyrimidine

RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)

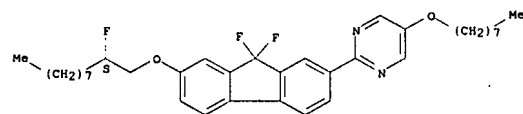
(for liquid-crystal mixts. and ferroelec. switching and/or display devices)

RN 215866-90-3 CAPLUS

CN Pyrimidine,

2-[9,9-difluoro-7-[[[2S]-2-fluorodecyl]oxy]-9H-fluoren-2-yl]-5-(octyloxy)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

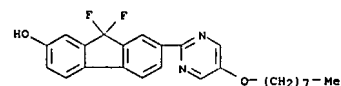


IT 215866-94-7

RL: RCT (Reactant); RACT (Reactant or reagent) (reaction of; in preparation of fluorinated 9H-fluorene derivs. for liquid-crystal mixts.)

RN 215866-94-7 CAPLUS

CN 9H-Fluoren-2-ol, 9,9-difluoro-7-[5-(octyloxy)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)

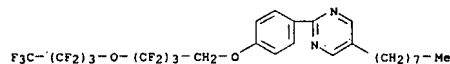


L5 ANSWER 14 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CM 4

CRN 152915-24-7

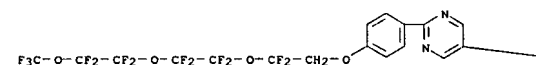
CMF C26 H25 F15 N2 O2



CM 5

CRN 152915-20-3

CMF C25 H25 F13 N2 O4



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PAGE 1-B

(CH2)7-Me

L5 ANSWER 16 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN

IT 114415-28-0 114767-84-9 114767-86-1

RL: DEV (Device component use); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

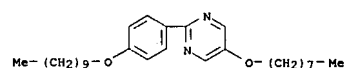
(ferroelec. liquid crystal; preparation, solubility, and morphol. of block

copolymer thin films of DL-amino acids with alkylene oxide as alignment

films for ferroelec. liquid crystals)

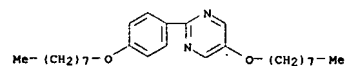
RN 114415-28-0 CAPLUS

CN Pyrimidine, 2-[4-(decyloxy)phenyl]-5-(octyloxy)- (9CI) (CA INDEX NAME)



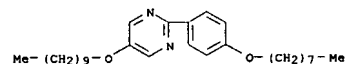
RN 114767-84-9 CAPLUS

CN Pyrimidine, 5-(octyloxy)-2-[4-(octyloxy)phenyl]- (9CI) (CA INDEX NAME)



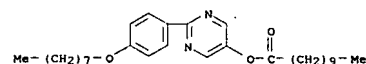
RN 114767-86-1 CAPLUS

CN Pyrimidine, 5-(decyloxy)-2-[4-(octyloxy)phenyl]- (9CI) (CA INDEX NAME)



RN 114767-93-0 CAPLUS

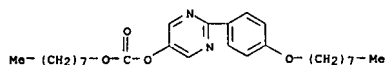
CN Undecanoic acid, 2-[4-(octyloxy)phenyl]-5-pyrimidinyl ester (9CI) (CA INDEX NAME)



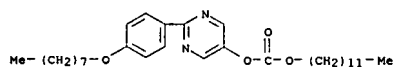
RN 118253-20-6 CAPLUS

CN Carbonic acid, octyl 2-[4-(octyloxy)phenyl]-5-pyrimidinyl ester (9CI) (CA INDEX NAME)

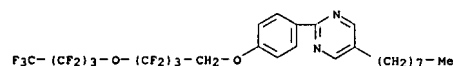
L5 ANSWER 16 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 118253-22-8 CAPLUS  
CN Carbonic acid, dodecyl 2-[4-(octyloxy)phenyl]-5-pyrimidinyl ester (9CI)  
(CA INDEX NAME)

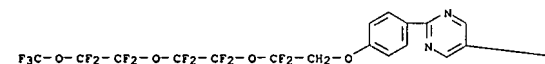


L5 ANSWER 17 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

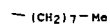


CM 4  
CRN 152915-20-3  
CMF C25 H25 F13 N2 O4

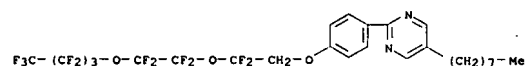
PAGE 1-A



PAGE 1-B



CM 5  
CRN 152914-98-2  
CMF C26 H25 F15 N2 O3

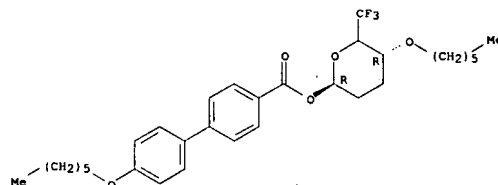


L5 ANSWER 17 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN

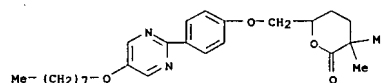
IT 216980-58-4  
RL: DEV (Device component use); USES (Uses)  
(manufacture of liquid-crystal display device containing cholesteric phase-free component or chiral smectic mixture)  
RN 216980-58-4 CAPLUS  
CN [1,1'-Biphenyl]-4-carboxylic acid, 4'-(hexyloxy)-, (2R,5R)-5-(hexyloxy)tetrahydro-6-(trifluoromethyl)-2H-pyran-2-yl ester, rel., mixt. with 2-[4-[2,2-difluoro-2-[1,1,2,2-tetrafluoro-2-(nonafluorobutoxy)ethoxy]ethoxy]phenyl]-5-octylpyrimidine, 2-[4-[2,2-difluoro-2-[1,1,2,2-tetrafluoro-2-(trifluoromethoxy)ethoxy]ethoxy]phenyl]-5-octylpyrimidine, 2-[4-[2,2,3,3,4,4-hexafluoro-4-(nonafluorobutoxy)butoxy]phenyl]-5-octylpyrimidine and tetrahydro-3,3-dimethyl-6-[4-[5-(octyloxy)-2-pyrimidinyl]phenoxy]methyl]-2H-pyran-2-one (9CI) (CA INDEX NAME)

CM 1  
CRN 216980-57-3  
CMF C31 H41 F3 O5

Relative stereochemistry.



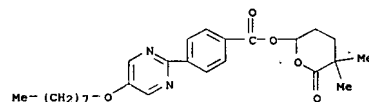
CM 2  
CRN 187875-81-6  
CMF C26 H36 N2 O4



CM 3  
CRN 152915-24-7  
CMF C26 H25 F15 N2 O2

L5 ANSWER 18 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN

IT 216500-43-5  
RL: DEV (Device component use); USES (Uses)  
(chiral smectic liquid crystal for liquid crystal display)  
RN 216500-43-5 CAPLUS  
CN Benzoic acid, 4-[5-(octyloxy)-2-pyrimidinyl]-, tetrahydro-5,5-dimethyl-6-oxo-2H-pyran-2-yl ester (9CI) (CA INDEX NAME)



L5 ANSWER 19 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:688768 CAPLUS

DOCUMENT NUMBER: 130:88498

TITLE: Synthesis and properties of chiral 2-phenylpyrimidine liquid crystalline compounds

AUTHOR(S): Shang, Yongjia; Lu, Wanfang; Lu, Youmei; Ding, Hui

CORPORATE SOURCE: Department of Chemistry, Nanjing University, Nanjing, 210093, Peop. Rep. China

SOURCE: Gongneng Caillao (1998), 29(4), 415-419

PUBLISHER: CODEN: GOCALD; ISSN: 1001-9731

DOCUMENT TYPE: Gongneng Caillao Bianjibu

LANGUAGE: Journal

AB Three series, II-IV, of chiral 2-phenylpyrimidine with 2 alkyloxy

terminal groups were synthesized. The chemical structures of all compds. were

determined by IR, 1H-NMR, MS, and elemental anal., and their liquid crystal

properties were tested by POM and DSC. They all had a smectic phase, some of them

had a chiral smectic C phase (Sc) near room temperature. The effect of

different terminal groups on the mesomorphic properties is discussed.

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L5 ANSWER 20 OF 565 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:586487 CAPLUS

DOCUMENT NUMBER: 129:268250

TITLE: Ferroelectric liquid-crystal composition,  
ferroelectric liquid-crystal device, and its driving  
method

INVENTOR(S): Kaneko, Takeshi; Koden, Mitsuhiro; Okabe, Eiji;

Shunto, Tatsuji; Saito, Shinichi; Saito, Hideo

PATENT ASSIGNEE(S): Sharp Corp., Japan; Chisso Corp.

SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.

CODEN: JKXXAF

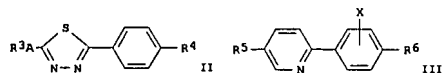
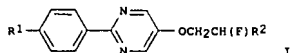
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10237447	A	19980908	JP 1997-46528	19970228
PRIORITY APPLN. INFO.:			JP 1997-46528	19970228
OTHER SOURCE(S):		MARPAT 129:268250		
GI				



AB The composition contains an aromatic compound I (R1 = C4-16 alkyl; R2 = C2-12 alkyl), II (R3, 4 = Cl-15 alkyl, alkoxy; A = Ph, C6H8, direct bond), and III (R5, 6 = Cl-18 alkyl, alkoxy; X = H, F). The device contains the composition. Driving method of the device is also claimed. The composition shows large temperature-dependency of self-polarization, so that the device shows small temperature-dependency of response speed and wide temperature margin.

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COST IN U.S. DOLLARS

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE

ENTRY

67.76

SINCE FILE

ENTRY

-2.34

TOTAL

SESSION

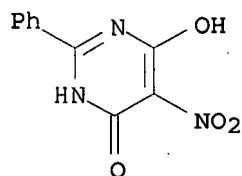
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TOTAL

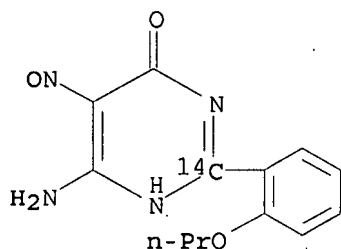
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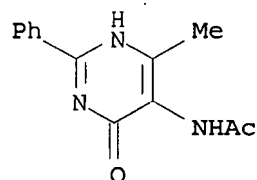
L24 ANSWER 1 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 68905-99-7P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of 4,6-disubstituted and 4,5,6-trisubstituted  
 2-phenylpyrimidines and their A1 adenosine receptor affinity)  
 RN 68905-99-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-hydroxy-5-nitro-2-phenyl- (CA INDEX NAME)



L24 ANSWER 2 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 170703-44-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of [14C]-labeled purinone and pyrimido[4,5-d]pyrimidinone)  
 RN 170703-44-3 CAPLUS  
 CN 4(1H)-Pyrimidinone-2-14C, 6-amino-5-nitroso-2-(2-propoxyphenyl)- (9CI)  
 (CA INDEX NAME)

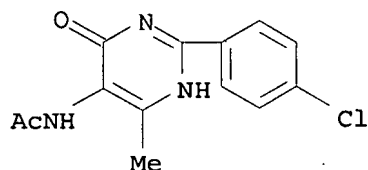


L24 ANSWER 3 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 72168-63-9P 166104-47-8P 166104-48-9P  
 166104-49-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (synthesis of disubstituted 5-aminopyrimidineones from disubstituted  
 5-acetylpyrimidinone oximes through Beckmann rearrangement)  
 RN 72168-63-9 CAPLUS  
 CN Acetamide, N-(1,4-dihydro-6-methyl-4-oxo-2-phenyl-5-pyrimidinyl)- (9CI)  
 (CA INDEX NAME)

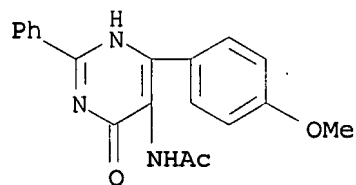




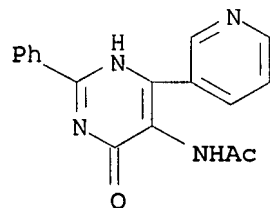
RN 166104-47-8 CAPLUS  
 CN Acetamide, N-[2-(4-chlorophenyl)-1,4-dihydro-6-methyl-4-oxo-5-pyrimidinyl]-  
 (9CI) (CA INDEX NAME)



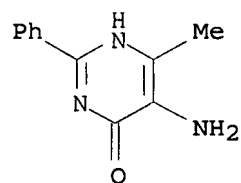
RN 166104-48-9 CAPLUS  
 CN Acetamide, N-[1,4-dihydro-6-(4-methoxyphenyl)-4-oxo-2-phenyl-5-pyrimidinyl]- (9CI) (CA INDEX NAME)



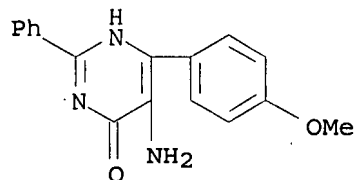
RN 166104-49-0 CAPLUS  
 CN Acetamide, N-[1,4-dihydro-4-oxo-2-phenyl-6-(3-pyridinyl)-5-pyrimidinyl]-  
 (9CI) (CA INDEX NAME)



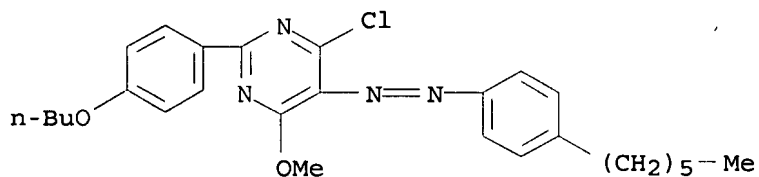
IT 72168-62-8P 166104-50-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (synthesis of disubstituted 5-aminopyrimidineones from disubstituted  
 5-acetylpyrimidinone oximes through Beckmann rearrangement)  
 RN 72168-62-8 CAPLUS  
 CN 4(1H)-Pyrimidinone, 5-amino-6-methyl-2-phenyl- (9CI) (CA INDEX NAME)



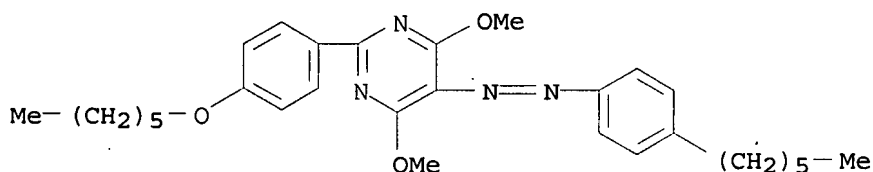
RN 166104-50-3 CAPLUS  
 CN 4(1H)-Pyrimidinone, 5-amino-6-(4-methoxyphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



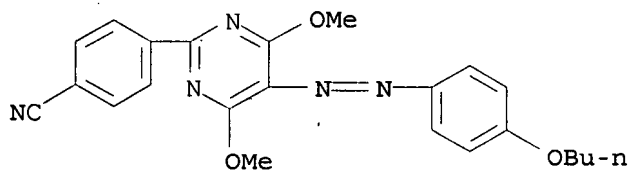
L24 ANSWER 4 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 150563-33-0P 150563-34-1P 150563-35-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and characterization of, as potential dichroic dye for color liquid-crystal. optical imaging devices)  
 RN 150563-33-0 CAPLUS  
 CN Pyrimidine, 2-(4-butoxyphenyl)-4-chloro-5-[(4-hexylphenyl)azo]-6-methoxy- (9CI) (CA INDEX NAME)



RN 150563-34-1 CAPLUS  
 CN Pyrimidine, 2-[4-(hexyloxy)phenyl]-5-[(4-hexylphenyl)azo]-4,6-dimethoxy- (9CI) (CA INDEX NAME)



RN 150563-35-2 CAPLUS  
 CN Benzonitrile, 4-[5-[(4-butoxyphenyl)azo]-4,6-dimethoxy-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



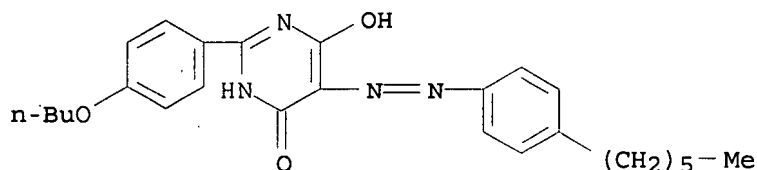
IT 150563-39-6P 150563-40-9P 150563-41-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, with phosphorus oxychloride in synthesis of dichroic dyes for color liquid-crystal. optical imaging devices)

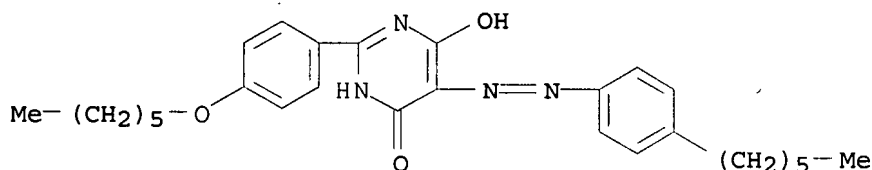
RN 150563-39-6 CAPLUS

CN 4,6(1H,5H)-Pyrimidinedione, 2-(4-butoxyphenyl)-5-[(4-hexylphenyl)azo]dihydro- (9CI) (CA INDEX NAME)



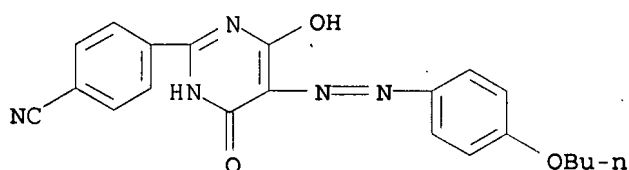
RN 150563-40-9 CAPLUS

CN 4,6(1H,5H)-Pyrimidinedione, 2-[4-(hexyloxy)phenyl]-5-[(4-hexylphenyl)azo]dihydro- (9CI) (CA INDEX NAME)



RN 150563-41-0 CAPLUS

CN Benzonitrile, 4-[5-[(4-butoxyphenyl)azo]-1,4-dihydro-6-hydroxy-4-oxo-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



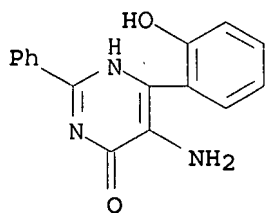
L24 ANSWER 5 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN

IT 110566-03-5P 110566-04-6P

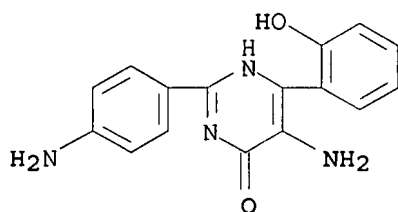
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation and analgesic activity of)

RN 110566-03-5 CAPLUS

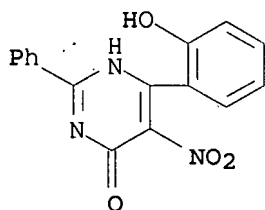
CN 4(1H)-Pyrimidinone, 5-amino-6-(2-hydroxyphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



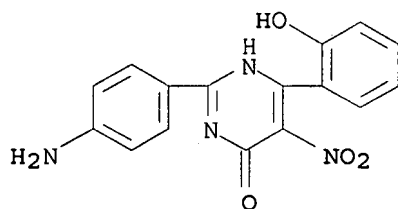
RN 110566-04-6 CAPLUS  
 CN 4(1H)-Pyrimidinone, 5-amino-2-(4-aminophenyl)-6-(2-hydroxyphenyl)- (9CI)  
 (CA INDEX NAME)



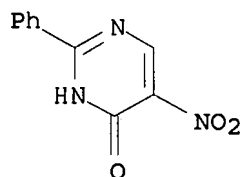
IT 110566-12-6P 110566-13-7P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and reduction of)  
 RN 110566-12-6 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-(2-hydroxyphenyl)-5-nitro-2-phenyl- (9CI) (CA INDEX  
 NAME)



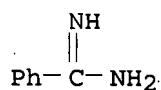
RN 110566-13-7 CAPLUS  
 CN 4(1H)-Pyrimidinone, 2-(4-aminophenyl)-6-(2-hydroxyphenyl)-5-nitro- (9CI)  
 (CA INDEX NAME)



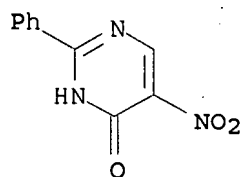
L24 ANSWER 6 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 99893-00-2P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and neutralization of, with acetic acid)  
 RN 99893-00-2 CAPLUS  
 CN Benzenecarboximidamide, compd. with 5-nitro-2-phenyl-4(1H)-pyrimidinone  
 (1:1) (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 3749-46-0  
 CMF C10 H7 N3 O3



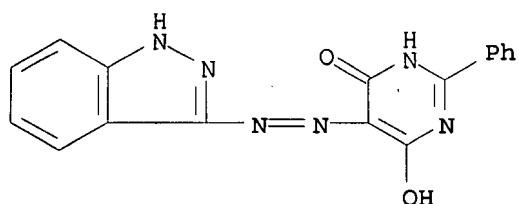
CM 2  
 CRN 618-39-3  
 CMF C7 H8 N2



IT 3749-46-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 3749-46-0 CAPLUS  
 CN 4(1H)-Pyrimidinone, 5-nitro-2-phenyl- (9CI) (CA INDEX NAME)



L24 ANSWER 7 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 95689-94-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and cyclization of)  
 RN 95689-94-4 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-hydroxy-5-(1H-indazol-3-ylazo)-2-phenyl- (9CI) (CA  
 INDEX NAME)



L24 ANSWER 8 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN

IT 54014-72-1P 81976-34-3P 81976-35-4P

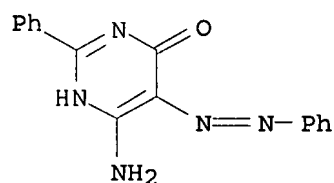
81976-36-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, with aromatic aldehydes)

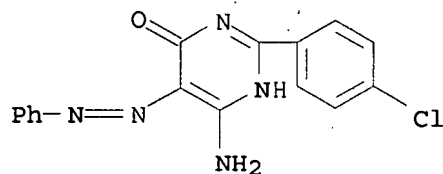
RN 54014-72-1 CAPLUS

CN 4(1H)-Pyrimidinone, 6-amino-2-phenyl-5-(phenylazo)- (9CI) (CA INDEX NAME)



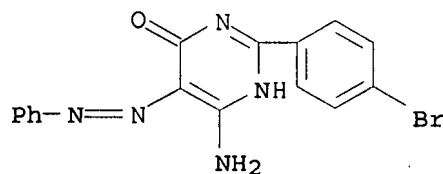
RN 81976-34-3 CAPLUS

CN 4(1H)-Pyrimidinone, 6-amino-2-(4-chlorophenyl)-5-(phenylazo)- (9CI) (CA INDEX NAME)



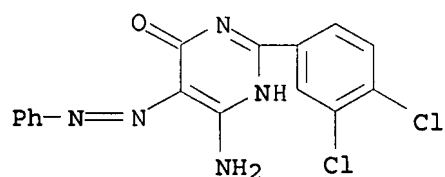
RN 81976-35-4 CAPLUS

CN 4(1H)-Pyrimidinone, 6-amino-2-(4-bromophenyl)-5-(phenylazo)- (9CI) (CA INDEX NAME)

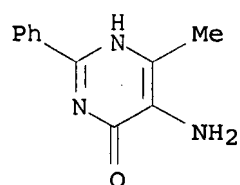


RN 81976-36-5 CAPLUS

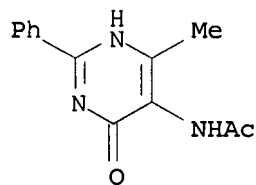
CN 4(1H)-Pyrimidinone, 6-amino-2-(3,4-dichlorophenyl)-5-(phenylazo)- (9CI) (CA INDEX NAME)



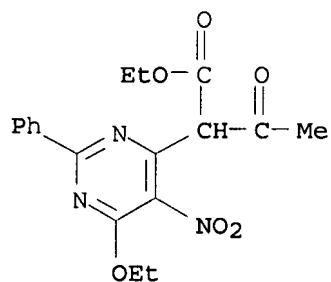
L24 ANSWER 9 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 72168-62-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (Vilsmeier reaction of)  
 RN 72168-62-8 CAPLUS  
 CN 4(1H)-Pyrimidinone, 5-amino-6-methyl-2-phenyl- (9CI) (CA INDEX NAME)



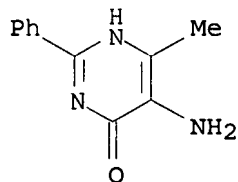
L24 ANSWER 10 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 72168-63-9P 72168-65-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and cyclization of)  
 RN 72168-63-9 CAPLUS  
 CN Acetamide, N-(1,4-dihydro-6-methyl-4-oxo-2-phenyl-5-pyrimidinyl)- (9CI)  
 (CA INDEX NAME)



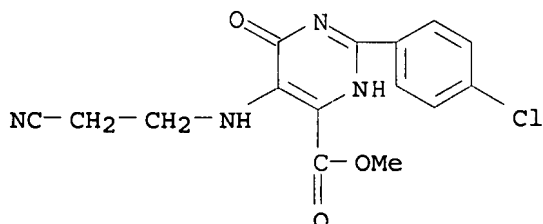
RN 72168-65-1 CAPLUS  
 CN 4-Pyrimidineacetic acid,  $\alpha$ -acetyl-6-ethoxy-5-nitro-2-phenyl-, ethyl  
 ester (9CI) (CA INDEX NAME)



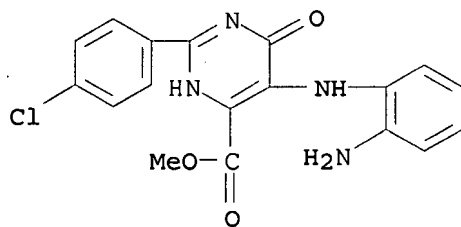
IT 72168-62-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 72168-62-8 CAPLUS  
 CN 4(1H)-Pyrimidinone, 5-amino-6-methyl-2-phenyl- (9CI) (CA INDEX NAME)



L24 ANSWER 11 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 70274-26-9P 70274-27-0P 70274-28-1P  
 70274-29-2P 70472-25-2P 70492-18-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 70274-26-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 2-(4-chlorophenyl)-5-[(2-cyanoethyl)amino]-  
 1,6-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

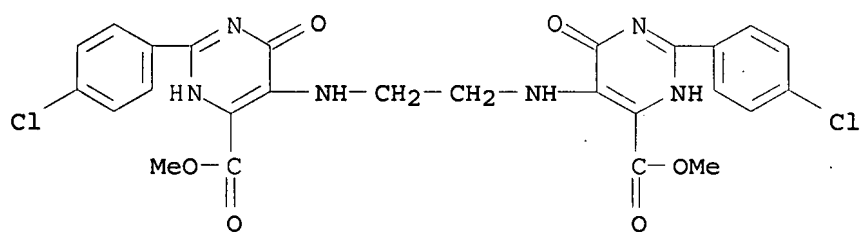


RN 70274-27-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-[(2-aminophenyl)amino]-2-(4-chlorophenyl)-  
 1,6-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



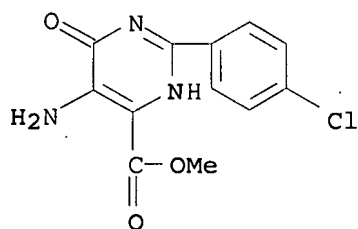
RN 70274-28-1 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5,5'-(1,2-ethanediyl-diimino)bis[2-(4-chlorophenyl)-1,6-dihydro-6-oxo-, dimethyl ester (9CI) (CA INDEX NAME)





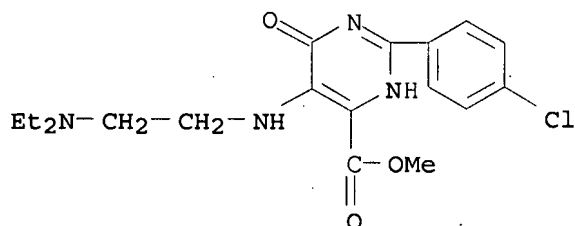
RN 70274-29-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-amino-2-(4-chlorophenyl)-1,6-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



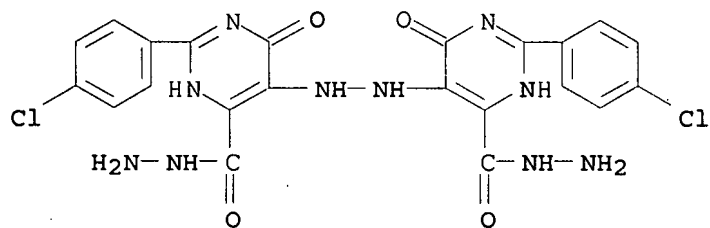
RN 70472-25-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 2-(4-chlorophenyl)-5-[[2-(diethylamino)ethyl]amino]-1,6-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



RN 70492-18-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5,5'-hydrazobis[2-(4-chlorophenyl)-1,6-dihydro-6-oxo-, dihydrazide (9CI) (CA INDEX NAME)



L24 ANSWER 12 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN

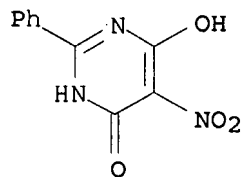
IT 68905-99-7P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and plant-growth stimulating activity of)

RN 68905-99-7 CAPLUS

CN 4(3H)-Pyrimidinone, 6-hydroxy-5-nitro-2-phenyl- (CA INDEX NAME)



L24 ANSWER 13 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN

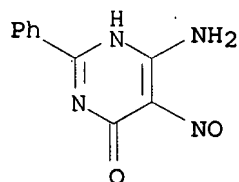
IT 5466-66-0

RL: RCT (Reactant); RACT (Reactant or reagent)

(cyclocondensation reaction with benzaldehyde dimethylhydrazone)

RN 5466-66-0 CAPLUS

CN 4(3H)-Pyrimidinone, 6-amino-5-nitroso-2-phenyl- (CA INDEX NAME)



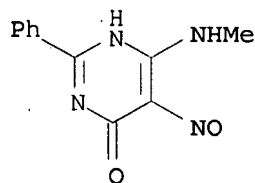
IT 61080-27-1P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and cyclocondensation reaction with aldehyde dimethylhydrazones)

RN 61080-27-1 CAPLUS

CN 4(1H)-Pyrimidinone, 6-(methylamino)-5-nitroso-2-phenyl- (9CI) (CA INDEX NAME)



L24 ANSWER 14 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN

IT 57075-30-6P 57075-31-7P 57075-32-8P

57075-33-9P 57075-34-0P 57075-35-1P

57075-36-2P 57075-38-4P 57075-39-5P

57075-41-9P 57075-42-0P 57075-43-1P

57075-44-2P 57075-45-3P 57075-46-4P

57075-47-5P 57075-48-6P 57075-49-7P

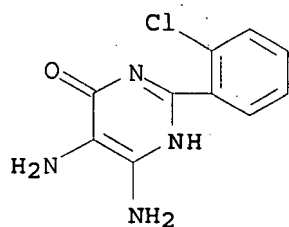
57075-50-0P 57075-51-1P 57075-52-2P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and cycloaddn. with sodium nitrate)

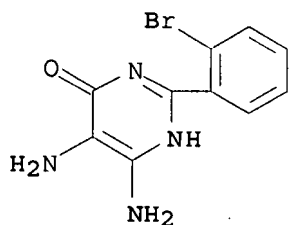
RN 57075-30-6 CAPLUS

CN 4(1H)-Pyrimidinone, 5,6-diamino-2-(2-chlorophenyl)- (9CI) (CA INDEX NAME)



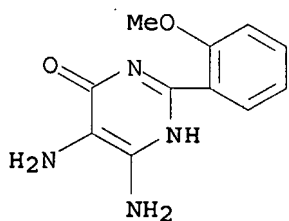
RN 57075-31-7 CAPLUS

CN 4(1H)-Pyrimidinone, 5,6-diamino-2-(2-bromophenyl)- (9CI) (CA INDEX NAME)



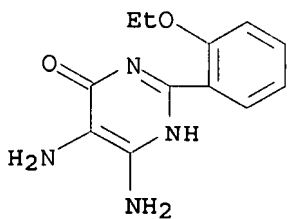
RN 57075-32-8 CAPLUS

CN 4(1H)-Pyrimidinone, 5,6-diamino-2-(2-methoxyphenyl)- (9CI) (CA INDEX NAME)



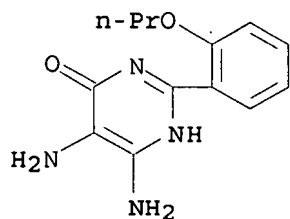
RN 57075-33-9 CAPLUS

CN 4(1H)-Pyrimidinone, 5,6-diamino-2-(2-ethoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

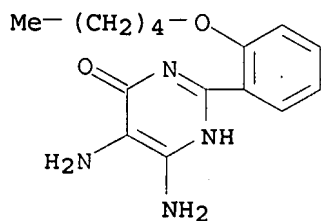


● HCl

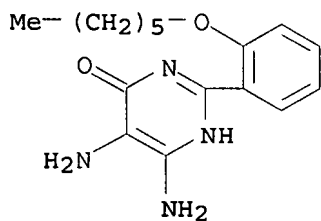
RN 57075-34-0 CAPLUS  
 CN 4(1H)-Pyrimidinone, 5,6-diamino-2-(2-propoxyphenyl)- (9CI) (CA INDEX NAME)



RN 57075-35-1 CAPLUS  
 CN 4(1H)-Pyrimidinone, 5,6-diamino-2-[2-(pentyloxy)phenyl]- (9CI) (CA INDEX NAME)



RN 57075-36-2 CAPLUS  
 CN 4(1H)-Pyrimidinone, 5,6-diamino-2-[2-(hexyloxy)phenyl]- (9CI) (CA INDEX NAME)

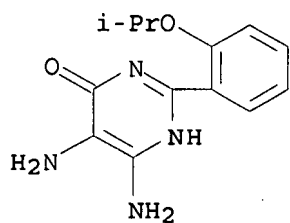


RN 57075-38-4 CAPLUS  
 CN 4(1H)-Pyrimidinone, 5,6-diamino-2-[2-(1-methylethoxy)phenyl]-, compd. with 2,4,6-trinitrophenol (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 57075-37-3

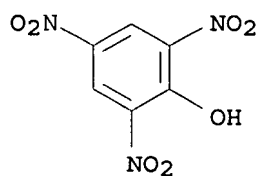
CMF C13 H16 N4 O2



CM 2

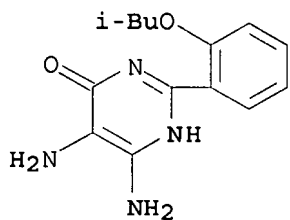
CRN 88-89-1

CMF C6 H3 N3 O7



RN 57075-39-5 CAPLUS

CN 4(1H)-Pyrimidinone, 5,6-diamino-2-[2-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)



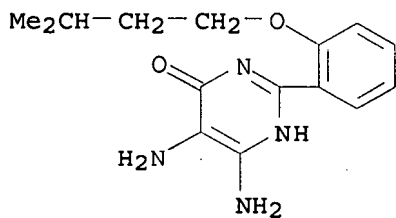
RN 57075-41-9 CAPLUS

CN 4(1H)-Pyrimidinone, 5,6-diamino-2-[2-(3-methylbutoxy)phenyl]-, compd. with 2,4,6-trinitrophenol (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 57075-40-8

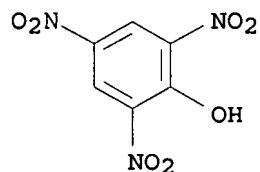
CMF C15 H20 N4 O2



CM 2

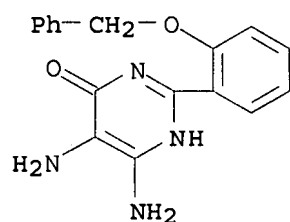
CRN 88-89-1

CMF C6 H3 N3 O7



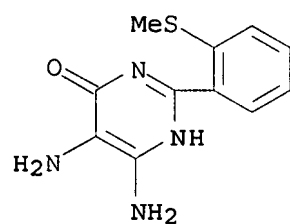
RN 57075-42-0 CAPLUS

CN 4(1H)-Pyrimidinone, 5,6-diamino-2-[2-(phenylmethoxy)phenyl] - (9CI) (CA INDEX NAME)



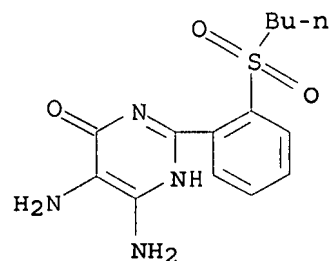
RN 57075-43-1 CAPLUS

CN 4(1H)-Pyrimidinone, 5,6-diamino-2-[2-(methylthio)phenyl] - (9CI) (CA INDEX NAME)

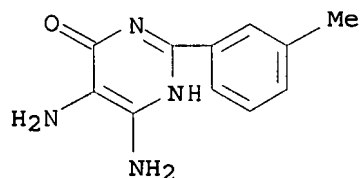


RN 57075-44-2 CAPLUS

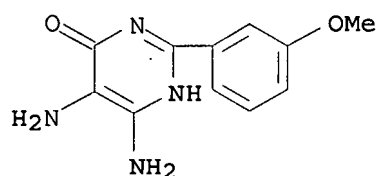
CN 4(1H)-Pyrimidinone, 5,6-diamino-2-[2-(butylsulfonyl)phenyl] - (9CI) (CA INDEX NAME)



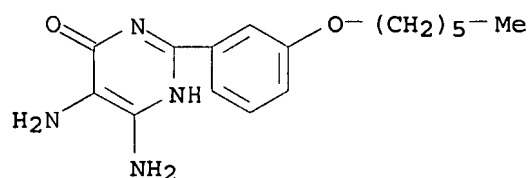
RN 57075-45-3 CAPLUS  
CN 4(1H)-Pyrimidinone, 5,6-diamino-2-(3-methylphenyl)- (9CI) (CA INDEX NAME)



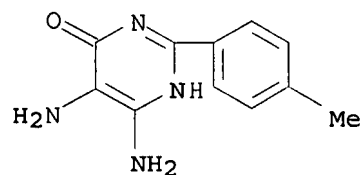
RN 57075-46-4 CAPLUS  
CN 4(1H)-Pyrimidinone, 5,6-diamino-2-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



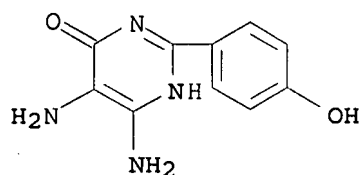
RN 57075-47-5 CAPLUS  
CN 4(1H)-Pyrimidinone, 5,6-diamino-2-[3-(hexyloxy)phenyl]- (9CI) (CA INDEX NAME)



RN 57075-48-6 CAPLUS  
CN 4(1H)-Pyrimidinone, 5,6-diamino-2-(4-methylphenyl)- (9CI) (CA INDEX NAME)

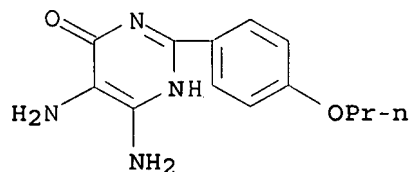


RN 57075-49-7 CAPLUS  
CN 4(1H)-Pyrimidinone, 5,6-diamino-2-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



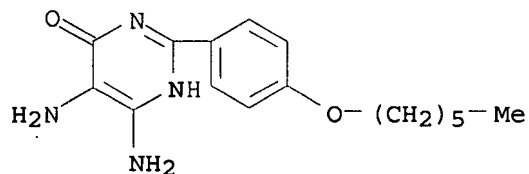
RN 57075-50-0 CAPLUS

CN 4(1H)-Pyrimidinone, 5,6-diamino-2-(4-propoxyphenyl)- (9CI) (CA INDEX NAME)



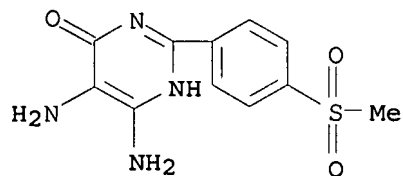
RN 57075-51-1 CAPLUS

CN 4(1H)-Pyrimidinone, 5,6-diamino-2-[4-(hexyloxy)phenyl]- (9CI) (CA INDEX NAME)



RN 57075-52-2 CAPLUS

CN 4(1H)-Pyrimidinone, 5,6-diamino-2-[4-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)



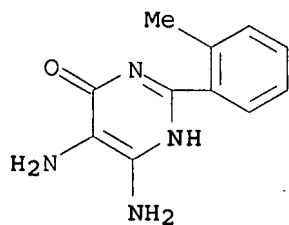
IT 57075-28-2P 57075-29-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and nitrosative cyclization of)

RN 57075-28-2 CAPLUS

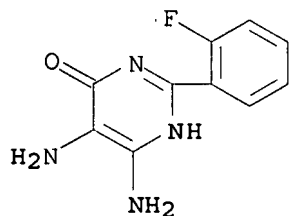
CN 4(1H)-Pyrimidinone, 5,6-diamino-2-(2-methylphenyl)- (9CI) (CA INDEX NAME)





RN 57075-29-3 CAPLUS

CN 4(1H)-Pyrimidinone, 5,6-diamino-2-(2-fluorophenyl)- (9CI) (CA INDEX NAME)



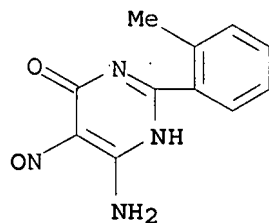
IT 57075-53-3P 57075-54-4P 57075-55-5P  
 57075-56-6P 57075-57-7P 57075-58-8P  
 57075-59-9P 57075-60-2P 57075-61-3P  
 57075-62-4P 57075-63-5P 57075-64-6P  
 57075-65-7P 57075-66-8P 57075-67-9P  
 57075-68-0P 57075-69-1P 57075-70-4P  
 57075-71-5P 57075-72-6P 57075-73-7P  
 57075-74-8P 57075-75-9P 57075-76-0P  
 57075-77-1P 57075-78-2P 57075-79-3P  
 57075-80-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reduction of)

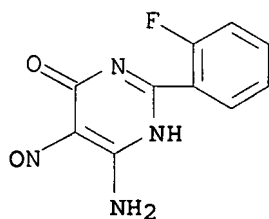
RN 57075-53-3 CAPLUS

CN 4(1H)-Pyrimidinone, 6-amino-2-(2-methylphenyl)-5-nitroso- (9CI) (CA INDEX NAME)

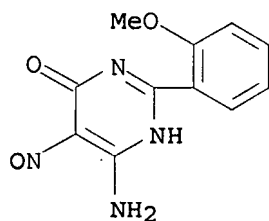


RN 57075-54-4 CAPLUS

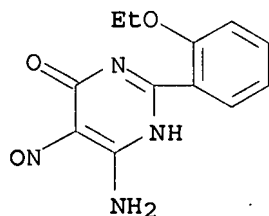
CN 4(1H)-Pyrimidinone, 6-amino-2-(2-fluorophenyl)-5-nitroso- (9CI) (CA INDEX NAME)



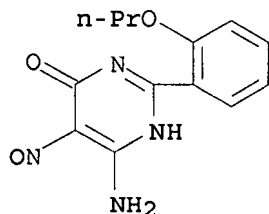
RN 57075-55-5 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-(2-methoxyphenyl)-5-nitroso- (9CI) (CA INDEX NAME)



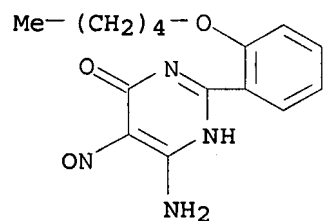
RN 57075-56-6 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-(2-ethoxyphenyl)-5-nitroso- (9CI) (CA INDEX NAME)



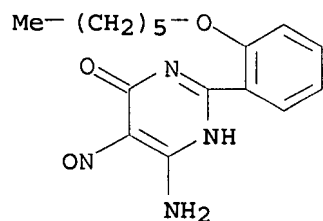
RN 57075-57-7 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-5-nitroso-2-(2-propoxyphenyl)- (9CI) (CA INDEX NAME)



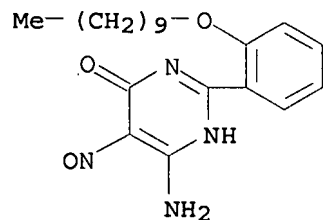
RN 57075-58-8 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-5-nitroso-2-[2-(pentyloxy)phenyl]- (9CI) (CA INDEX NAME)



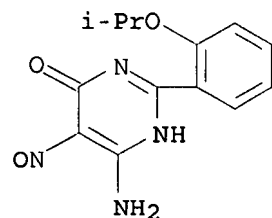
RN 57075-59-9 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-[2-(hexyloxy)phenyl]-5-nitroso- (9CI) (CA INDEX NAME)



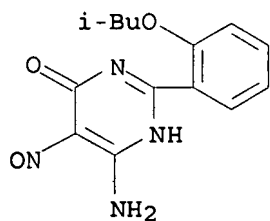
RN 57075-60-2 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-[2-(decyloxy)phenyl]-5-nitroso- (9CI) (CA INDEX NAME)



RN 57075-61-3 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-[2-(1-methylethoxy)phenyl]-5-nitroso- (9CI) (CA INDEX NAME)

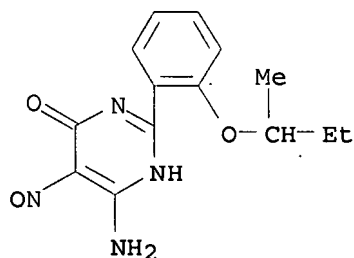


RN 57075-62-4 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-[2-(2-methylpropoxy)phenyl]-5-nitroso- (9CI) (CA INDEX NAME)



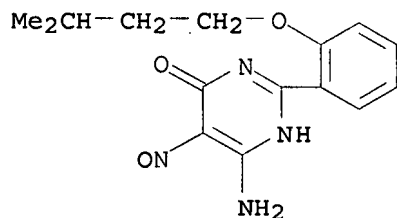
RN 57075-63-5 CAPLUS

CN 4(1H)-Pyrimidinone, 6-amino-2-[2-(1-methylpropoxy)phenyl]-5-nitroso- (9CI)  
(CA INDEX NAME)



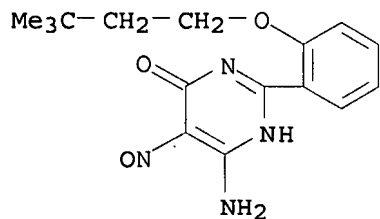
RN 57075-64-6 CAPLUS

CN 4(1H)-Pyrimidinone, 6-amino-2-[2-(3-methylbutoxy)phenyl]-5-nitroso- (9CI)  
(CA INDEX NAME)



RN 57075-65-7 CAPLUS

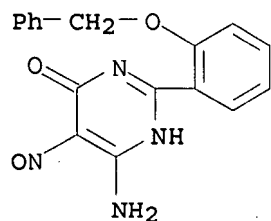
CN 4(1H)-Pyrimidinone, 6-amino-2-[2-(3,3-dimethylbutoxy)phenyl]-5-nitroso-,  
monosodium salt (9CI) (CA INDEX NAME)



● Na

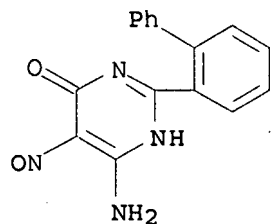
RN 57075-66-8 CAPLUS

CN 4(1H)-Pyrimidinone, 6-amino-5-nitroso-2-[2-(phenylmethoxy)phenyl] - (9CI)  
(CA INDEX NAME)



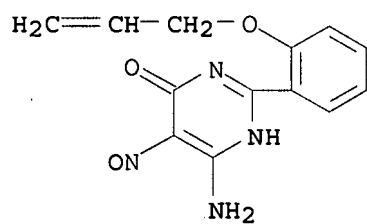
RN 57075-67-9 CAPLUS

CN 4(1H)-Pyrimidinone, 6-amino-2-[1,1'-biphenyl]-2-yl-5-nitroso- (9CI) (CA INDEX NAME)



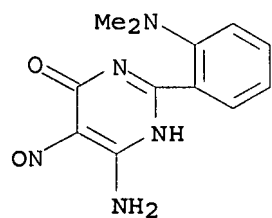
RN 57075-68-0 CAPLUS

CN 4(1H)-Pyrimidinone, 6-amino-5-nitroso-2-[2-(2-propenyloxy)phenyl] - (9CI)  
(CA INDEX NAME)

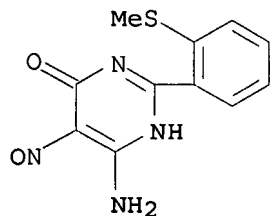


RN 57075-69-1 CAPLUS

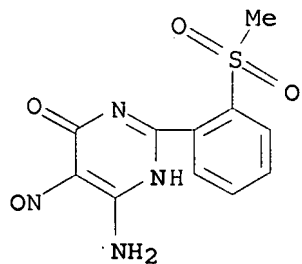
CN 4(1H)-Pyrimidinone, 6-amino-2-[2-(dimethylamino)phenyl]-5-nitroso- (9CI)  
(CA INDEX NAME)



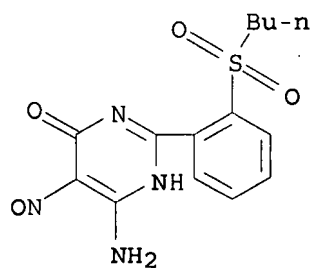
RN 57075-70-4 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-[2-(methylthio)phenyl]-5-nitroso- (9CI) (CA INDEX NAME)



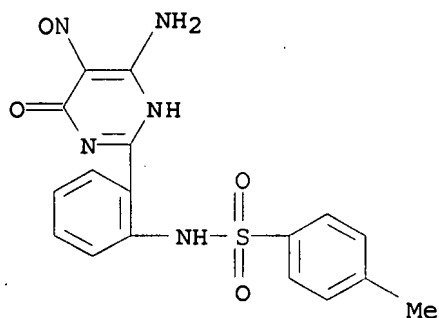
RN 57075-71-5 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-[2-(methylsulfonyl)phenyl]-5-nitroso- (9CI) (CA INDEX NAME)



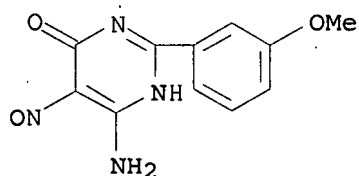
RN 57075-72-6 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-[2-(butylsulfonyl)phenyl]-5-nitroso- (9CI) (CA INDEX NAME)



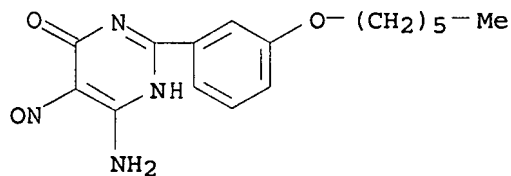
RN 57075-73-7 CAPLUS  
 CN Benzenesulfonamide, N-[2-(6-amino-1,4-dihydro-5-nitroso-4-oxo-2-pyrimidinyl)phenyl]-4-methyl- (9CI) (CA INDEX NAME)



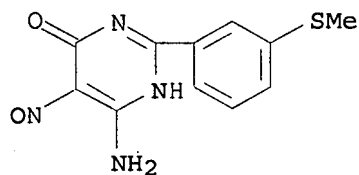
RN 57075-74-8 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-(3-methoxyphenyl)-5-nitroso- (9CI) (CA INDEX NAME)



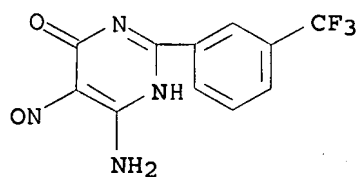
RN 57075-75-9 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-[3-(hexyloxy)phenyl]-5-nitroso- (9CI) (CA INDEX NAME)



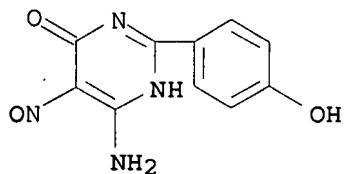
RN 57075-76-0 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-[3-(methylthio)phenyl]-5-nitroso- (9CI) (CA INDEX NAME)



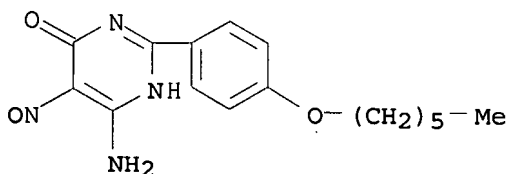
RN 57075-77-1 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-5-nitroso-2-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



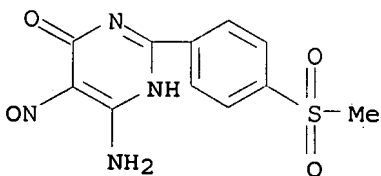
RN 57075-78-2 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-(4-hydroxyphenyl)-5-nitroso- (9CI) (CA INDEX NAME)



RN 57075-79-3 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-[4-(hexyloxy)phenyl]-5-nitroso- (9CI) (CA INDEX NAME)

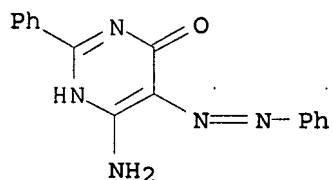


RN 57075-80-6 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-[4-(methylsulfonyl)phenyl]-5-nitroso- (9CI) (CA INDEX NAME)

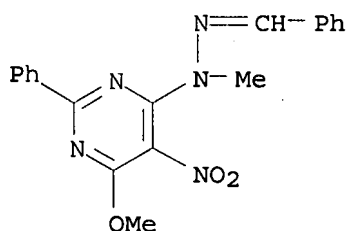


L24 ANSWER 15 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 54014-72-1  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (condensation with aromatic aldehydes)  
 RN 54014-72-1 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-2-phenyl-5-(phenylazo)- (9CI) (CA INDEX NAME)

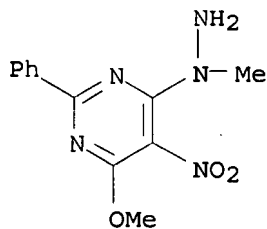




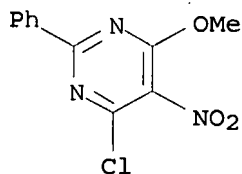
L24 ANSWER 16 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 53246-62-1  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (photolysis of)  
 RN 53246-62-1 CAPLUS  
 CN Benzaldehyde, (6-methoxy-5-nitro-2-phenyl-4-pyrimidinyl)methylhydrazone  
 (9CI) (CA INDEX NAME)



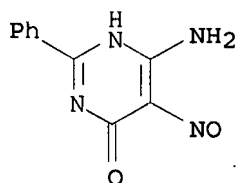
IT 53246-64-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 53246-64-3 CAPLUS  
 CN Pyrimidine, 4-methoxy-6-(1-methylhydrazino)-5-nitro-2-phenyl- (9CI) (CA  
 INDEX NAME)



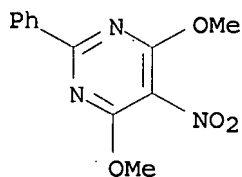
IT 53246-63-2  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with methylhydrazine)  
 RN 53246-63-2 CAPLUS  
 CN Pyrimidine, 4-chloro-6-methoxy-5-nitro-2-phenyl- (9CI) (CA INDEX NAME)



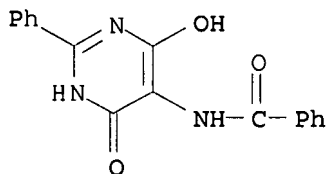
L24 ANSWER 17 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 5466-66-0  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with formamides)  
 RN 5466-66-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-amino-5-nitroso-2-phenyl- (CA INDEX NAME)



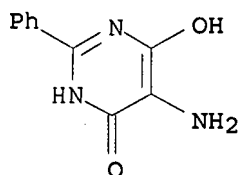
L24 ANSWER 18 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 29939-35-3  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (prolysis of)  
 RN 29939-35-3 CAPLUS  
 CN Pyrimidine, 4,6-dimethoxy-5-nitro-2-phenyl- (CA INDEX NAME)



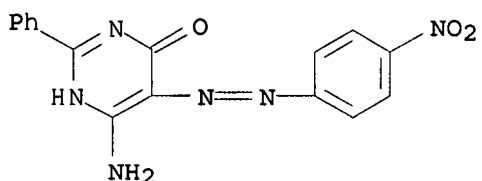
L24 ANSWER 19 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 34906-02-0P 34906-08-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 34906-02-0 CAPLUS  
 CN Benzamide, N-(1,4-dihydro-6-hydroxy-4-oxo-2-phenyl-5-pyrimidinyl)- (9CI)  
 (CA INDEX NAME)



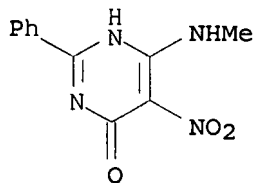
RN 34906-08-6 CAPLUS  
 CN 4(1H)-Pyrimidinone, 5-amino-6-hydroxy-2-phenyl- (CA INDEX NAME)



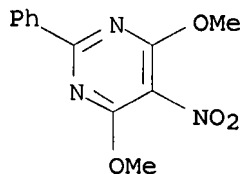
L24 ANSWER 20 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 38522-17-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 38522-17-7 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-amino-5-[(4-nitrophenyl)azo]-2-phenyl- (9CI) (CA  
 INDEX NAME)



L24 ANSWER 21 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 31937-03-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 31937-03-8 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-(methylamino)-5-nitro-2-phenyl- (9CI) (CA INDEX  
 NAME)



L24 ANSWER 22 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 29939-35-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 29939-35-3 CAPLUS  
 CN Pyrimidine, 4,6-dimethoxy-5-nitro-2-phenyl- (CA INDEX NAME)



L24 ANSWER 23 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN

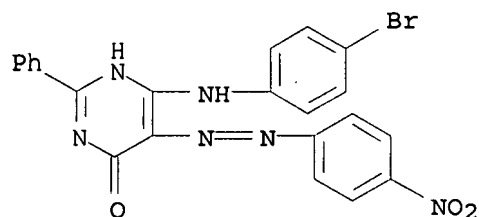
IT 31595-55-8P 31595-56-9P 31595-57-0P

31595-77-4P 31595-78-5P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

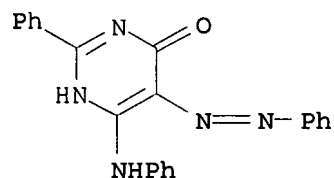
RN 31595-55-8 CAPLUS

CN 4(3H)-Pyrimidinone, 6-(p-bromoanilino)-5-[(p-nitrophenyl)azo]-2-phenyl-  
(8CI) (CA INDEX NAME)



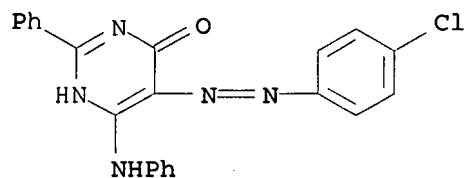
RN 31595-56-9 CAPLUS

CN 4(3H)-Pyrimidinone, 6-anilino-2-phenyl-5-(phenylazo)- (8CI) (CA INDEX  
NAME)



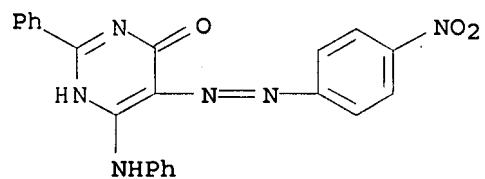
RN 31595-57-0 CAPLUS

CN 4(3H)-Pyrimidinone, 6-anilino-5-[(p-chlorophenyl)azo]-2-phenyl- (8CI) (CA  
INDEX NAME)

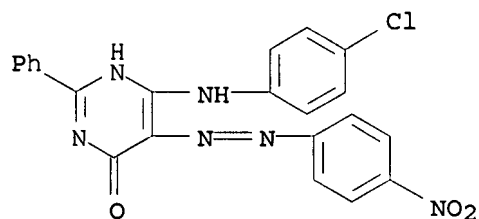


RN 31595-77-4 CAPLUS

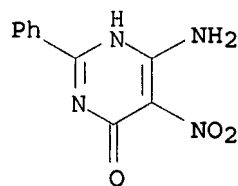
CN 4(3H)-Pyrimidinone, 6-anilino-5-[(p-nitrophenyl)azo]-2-phenyl- (8CI) (CA  
INDEX NAME)



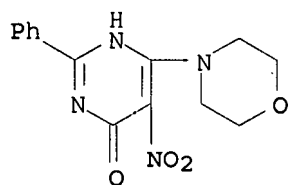
RN 31595-78-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-(p-chloroanilino)-5-[(p-nitrophenyl)azo]-2-phenyl-  
 (8CI) (CA INDEX NAME)



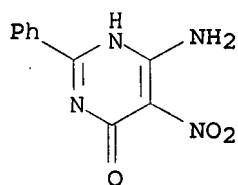
L24 ANSWER 24 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 23120-15-2P 31575-76-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 23120-15-2 CAPLUS  
 CN 4-Pyrimidinol, 6-amino-5-nitro-2-phenyl- (8CI) (CA INDEX NAME)



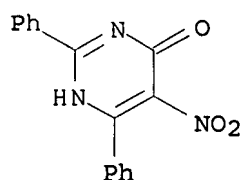
RN 31575-76-5 CAPLUS  
 CN 4-Pyrimidinol, 6-morpholino-5-nitro-2-phenyl- (8CI) (CA INDEX NAME)



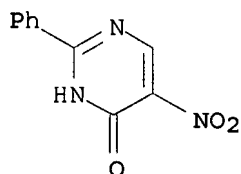
L24 ANSWER 25 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 23120-15-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 23120-15-2 CAPLUS  
 CN 4-Pyrimidinol, 6-amino-5-nitro-2-phenyl- (8CI) (CA INDEX NAME)



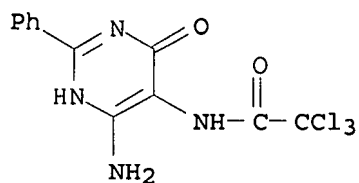
L24 ANSWER 26 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 20954-88-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 20954-88-5 CAPLUS  
 CN 4(1H)-Pyrimidinone, 5-nitro-2,6-diphenyl- (9CI) (CA INDEX NAME)



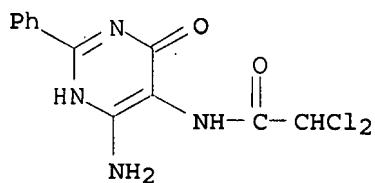
L24 ANSWER 27 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 3749-46-0P, 4-Pyrimidinol, 5-nitro-2-phenyl-  
 RL: PREP (Preparation)  
 (preparation of)  
 RN 3749-46-0 CAPLUS  
 CN 4(1H)-Pyrimidinone, 5-nitro-2-phenyl- (9CI) (CA INDEX NAME)



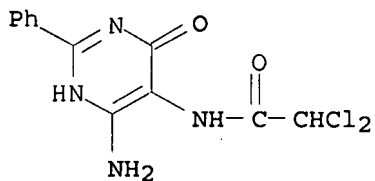
L24 ANSWER 28 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 91492-97-6P, 4-Pyrimidinol, 6-amino-2-phenyl-5-(2,2,2-trichloroacetamido)- 91962-07-1P, 4-Pyrimidinol, 6-amino-5-(2,2-dichloroacetamido)-2-phenyl-  
 RL: PREP (Preparation)  
 (preparation of)  
 RN 91492-97-6 CAPLUS  
 CN 4-Pyrimidinol, 6-amino-2-phenyl-5-(2,2,2-trichloroacetamido)- (7CI) (CA INDEX NAME)



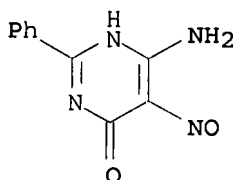
RN 91962-07-1 CAPLUS  
 CN 4-Pyrimidinol, 6-amino-5-(2,2-dichloroacetamido)-2-phenyl- (7CI) (CA INDEX NAME)



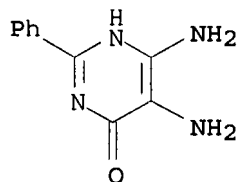
L24 ANSWER 29 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 91962-07-1P, 4-Pyrimidinol, 6-amino-5-(2,2-dichloroacetamido)-2-phenyl-  
 RL: PREP (Preparation)  
 (preparation of)  
 RN 91962-07-1 CAPLUS  
 CN 4-Pyrimidinol, 6-amino-5-(2,2-dichloroacetamido)-2-phenyl- (7CI) (CA INDEX NAME)



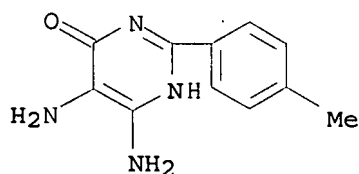
L24 ANSWER 30 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 5466-66-0P, 4-Pyrimidinol, 6-amino-5-nitroso-2-phenyl-  
 61595-45-7P, 4-Pyrimidinol, 5,6-diamino-2-phenyl-  
 RL: PREP (Preparation)  
 (preparation of)  
 RN 5466-66-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-amino-5-nitroso-2-phenyl- (CA INDEX NAME)



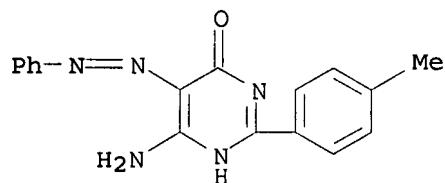
RN 61595-45-7 CAPLUS  
CN 4(1H)-Pyrimidinone, 5,6-diamino-2-phenyl- (9CI) (CA INDEX NAME)



L24 ANSWER 31 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
IT 57075-48-6P, 4-Pyrimidinol, 5,6-diamino-2-p-tolyl-  
857427-04-4P, 4-Pyrimidinol, 6-amino-5-phenylazo-2-p-tolyl-  
RL: PREP (Preparation)  
(preparation of)  
RN 57075-48-6 CAPLUS  
CN 4(1H)-Pyrimidinone, 5,6-diamino-2-(4-methylphenyl)- (9CI) (CA INDEX NAME)

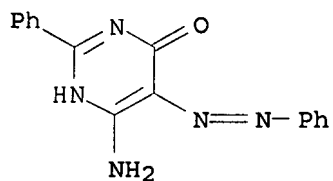


RN 857427-04-4 CAPLUS  
CN 4-Pyrimidinol, 6-amino-5-phenylazo-2-p-tolyl- (5CI) (CA INDEX NAME)

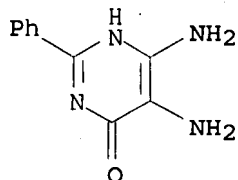


L24 ANSWER 32 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
IT 54014-72-1P, 4-Pyrimidinol, 6-amino-2-phenyl-5-phenylazo-  
61595-45-7P, 4-Pyrimidinol, 5,6-diamino-2-phenyl-  
RL: PREP (Preparation)  
(preparation of)  
RN 54014-72-1 CAPLUS  
CN 4(1H)-Pyrimidinone, 6-amino-2-phenyl-5-(phenylazo)- (9CI) (CA INDEX NAME)

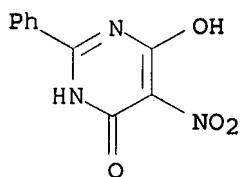




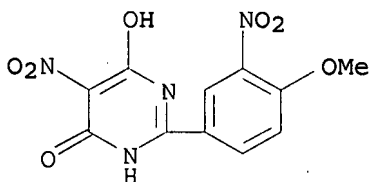
RN 61595-45-7 CAPLUS  
 CN 4(1H)-Pyrimidinone, 5,6-diamino-2-phenyl- (9CI) (CA INDEX NAME)



L24 ANSWER 33 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 68905-99-7P, 4,6-Pyrimidinediol, 5-nitro-2-phenyl-  
 857411-14-4P, 4,6-Pyrimidinediol, 2-(4-methoxy-3-nitrophenyl)-5-  
 nitro- 857411-18-8P, 4,6-Pyrimidinediol, 2-(4-ethoxy-3-  
 nitrophenyl)-5-nitro- 857427-78-2P, 4,6-Pyrimidinediol,  
 2-(p-chlorophenyl)-5-nitro- 873409-36-0P, 4,6-Pyrimidinediol,  
 2-(2-naphthyl)-5-nitro-  
 RL: PREP (Preparation)  
 (preparation of)  
 RN 68905-99-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-hydroxy-5-nitro-2-phenyl- (CA INDEX NAME)

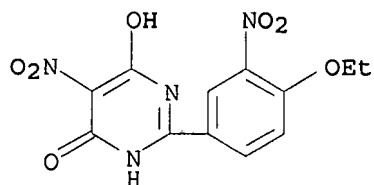


RN 857411-14-4 CAPLUS  
 CN 4,6-Pyrimidinediol, 2-(4-methoxy-3-nitrophenyl)-5-nitro- (5CI) (CA INDEX NAME)



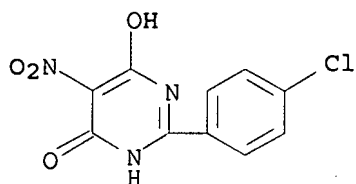
RN 857411-18-8 CAPLUS  
 CN 4,6-Pyrimidinediol, 2-(4-ethoxy-3-nitrophenyl)-5-nitro- (5CI) (CA INDEX NAME)

NAME)



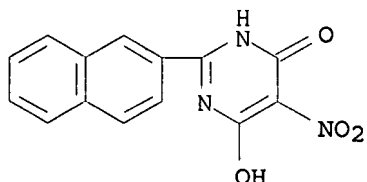
RN 857427-78-2 CAPLUS

CN 4,6-Pyrimidinediol, 2-(p-chlorophenyl)-5-nitro- (5CI) (CA INDEX NAME)



RN 873409-36-0 CAPLUS

CN 4,6-Pyrimidinediol, 2-(2-naphthyl)-5-nitro- (5CI) (CA INDEX NAME)



=> d 124 22 ibib abs hitstr

L24 ANSWER 22 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1971:510265 CAPLUS <<LOGINID::20070815>>

DOCUMENT NUMBER: 75:110265

TITLE: Reaction of 4,6-dimethoxy-5-nitropyrimidine with methylhydrazine. Formation of 4-hydrazine-6-hydroxypyrimidine

AUTHOR(S): Christensen, Bert E.; Stahl, Quade; Lehmkuhl, Frank

CORPORATE SOURCE: Dep. Chem., Oregon State Univ., Corvallis, OR, USA

SOURCE: Journal of Organic Chemistry (1971), 36(17), 2462-6  
CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 75:110265

AB Reaction of 4,6-dimethoxy-5-nitropyrimidine (I) with MeNHNH<sub>2</sub> in refluxing pyridine or BuOH involves methylation of the solvent by I and the nucleophilic substitution and demethylation of the methylhydrazino substituent in the 5 position to yield 4-hydrazino-6-hydroxypyrimidine. The first step in this sequence of reactions involves the methylation of the solvent, followed by nucleophilic substitution of methylhydrazine in

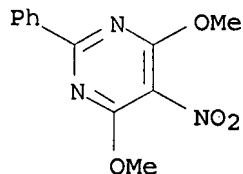
the 4 position, migration of its Me substituent to form C to O bond with the adjacent nitro substituent, and eventual elimination of Me nitrite from the 5 position as one of the reaction products. 4,6-Dimethoxy-5-nitropyrimidine reacts with pyridine (in the absence of MeNHNH2) to yield an insol. methylpyridium salt which is not a precursor of 4-hydrazino-6-hydroxypyrimidine. The mother liquor from this reaction on acid hydrolysis yields 4-hydroxy-6-methoxy-5-nitropyrimidine and reacts with MeNHNH2 to yield 4-hydroxy-6-hydrazinopyrimidine. Both 4-chloro-6-hydroxy-5-nitropyrimidine and 4,6-dichloro-5-nitropyrimidine react with MeNHNH2 in alc. to yield the corresponding methylhydrazino derivs.

IT 29939-35-3P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 29939-35-3 CAPLUS

CN Pyrimidine, 4,6-dimethoxy-5-nitro-2-phenyl- (CA INDEX NAME)



=> d 124 17-18 ibib abs hitstr

L24 ANSWER 17 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1973:466312 CAPLUS <<LOGINID::20070815>>

DOCUMENT NUMBER: 79:66312

TITLE: New synthesis of substituted 8-aminopurine derivatives

AUTHOR(S): Yoneda, Fumio; Higuchi, Masatsugu; Matsumura, Takafumi; Senga, Keitaro

CORPORATE SOURCE: Fac. Pharm. Sci., Kumamoto Univ., Kumamoto, Japan

SOURCE: Bulletin of the Chemical Society of Japan (1973), 46(6), 1836-9

CODEN: BCSJA8; ISSN: 0009-2673

DOCUMENT TYPE: Journal

LANGUAGE: English

GI For diagram(s), see printed CA Issue.

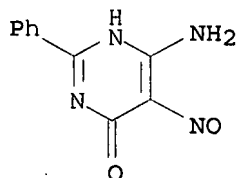
AB The treatment of 6-amino-5-nitrosopyrimidinediones with Vilsmeier-type reagents (substituted formamides and phosphorus oxychloride) afforded substituted 8-aminopurines (I, R = NMe2, NEt2, NHMe, NMePh). However, the treatment of 6-amino-4-hydroxy-2-methyl-5-nitrosopyrimidine with the same reagents gave 2-(chloromethyl)-8-(dimethylamino)-6-hydroxypurine.

IT 5466-66-0

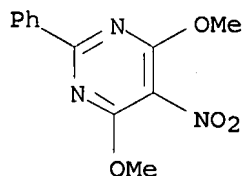
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with formamides)

RN 5466-66-0 CAPLUS

CN 4(3H)-Pyrimidinone, 6-amino-5-nitroso-2-phenyl- (CA INDEX NAME)



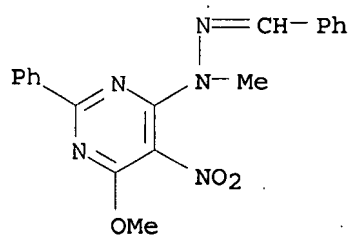
L24 ANSWER 18 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1972:539952 CAPLUS <<LOGINID::20070815>>  
 DOCUMENT NUMBER: 77:139952  
 TITLE: Formation of new mesoionic pyrimidines  
 AUTHOR(S): Maki, Y.; Sako, M.; Suzuki, M.  
 CORPORATE SOURCE: Gifu Coll. Pharm., Gifu, Japan  
 SOURCE: Journal of the Chemical Society, Chemical  
 Communications (1972), (17), 999-1000  
 CODEN: JCCCAT; ISSN: 0022-4936  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI For diagram(s), see printed CA Issue.  
 AB Pyrolysis of 4,6-dimethoxy-5-nitropyrimidine (I) at 200° for 15 min  
 gave 70% anhydro-4-hydroxy-1,3-dimethyl-5-nitro-6-oxopyrimidinium (II)  
 hydrochloride and 1-methyl-4-methoxy-5-nitro-6(1H)-pyrimidinone which at  
 200° gave II. Similarly the 2-phenyl derivative of I gave the  
 corresponding pyrimidinium (III) hydrochloride (80%) and pyrimidinone  
 which at 200° gave III. II or III with boiling aqueous KOH gave  
 MeHNCOC(NO2):C(OH)NHMe quant. Pyrolysis of 4,6-dimethoxy-2-  
 phenylpyrimidine caused O → N alkyl migration to give the  
 corresponding N-alkyl derivs.  
 IT 29939-35-3  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (pyrolysis of)  
 RN 29939-35-3 CAPLUS  
 CN Pyrimidine, 4,6-dimethoxy-5-nitro-2-phenyl- (CA INDEX NAME)



=> d 124 16 ibib abs hitstr

L24 ANSWER 16 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1974:477865 CAPLUS <<LOGINID::20070815>>  
 DOCUMENT NUMBER: 81:77865  
 TITLE: Photochemical synthesis of condensed triazole N-oxide  
 AUTHOR(S): Maki, Yoshifumi; Suzuki, Mikio; Izuta, Keiji; Iwai,  
 Shunji  
 CORPORATE SOURCE: Gifu Coll. Pharm., Gifu, Japan  
 SOURCE: Chemical & Pharmaceutical Bulletin (1974), 22(6),  
 1269-74  
 CODEN: CPBTAL; ISSN: 0009-2363  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI For diagram(s), see printed CA Issue.  
 AB Photolysis of the uracil I (R = H) in C6H6 gave the pyrazolopyrimidine II  
 and the triazolopyrimidine oxide III. Photolysis of I (R = Me) in MeCN at  
 338 mμ gave III exclusively.  
 IT 53246-62-1  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (photolysis of)  
 RN 53246-62-1 CAPLUS  
 CN Benzaldehyde, (6-methoxy-5-nitro-2-phenyl-4-pyrimidinyl)methylhydrazone

(9CI) (CA INDEX NAME)

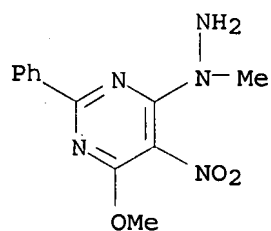


IT 53246-64-3P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 53246-64-3 CAPLUS

CN Pyrimidine, 4-methoxy-6-(1-methylhydrazino)-5-nitro-2-phenyl- (9CI) (CA INDEX NAME)



IT 53246-63-2

RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with methylhydrazine)

RN 53246-63-2 CAPLUS

CN Pyrimidine, 4-chloro-6-methoxy-5-nitro-2-phenyl- (9CI) (CA INDEX NAME)

